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JAMES M. THORBURN & CO'S

ANNUAL DESCRIPTIVE CATALOGUE

OF

SEEDS

For the Vegetable Garden,

For the Flower Garden,

For the Lawn,

For the Farm,

For the Nursery.

THE LARGEST COLLECTION TO BE FOUND IN THE WORLD.

No. 15 JOHN STREET,

NEW YORK.

Alfred Cobb, Printer, 74 Maiden Lane, N. Y.

1885

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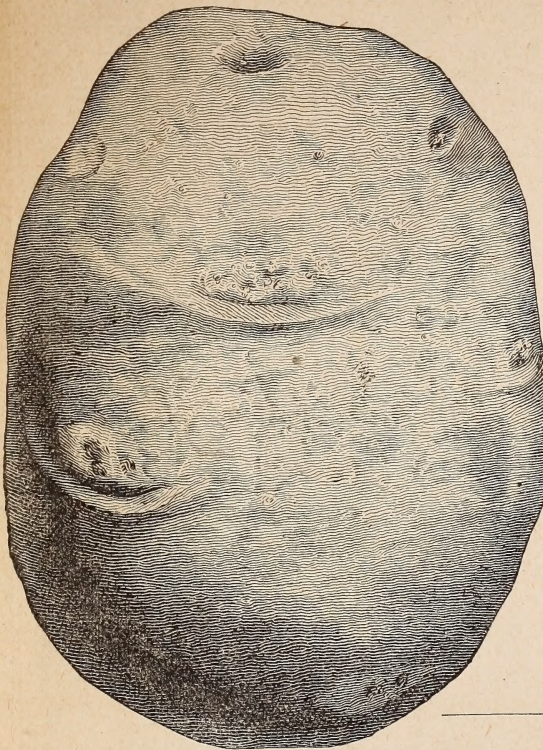
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CONTENTS OF THE CATALOGUE.

	PAGE.		PAGE.		PAGE.
Alfalfa (Lucerne)	47	Everlasting Flower Seeds ...	91	Palm Seeds.....	58
Artichoke.....	11	Explanation of Flower Seed		Parsley.....	32
Asparagus.....	12	Catalogue.....	64	Parsnip.....	32
“ Roots.....	12	Express Table of Rates.....	4	Pearl Millet.....	49
Assortments of Flower Seeds.....	96-97	Fennugreek.....	43	Peas.....	32-33
“ of Vegetable Seeds.....	52	Flax Seed.....	49	Pepper.....	33-34
Beans, Dwarf or Snap.....	12-13	Flower Seeds, General List.....	65-87	Poppy, Opium.....	49
“ English Dwarf.....	12	“ by ounce or pound.....	99	Potatoes.....	3, 34-35
“ Horse.....	48	Flowers suitable for Bouquets	98	Pruning Shears.....	93
“ Pole or Running.....	13	“ “ “ Hanging		Pumpkin.....	36
“ Soja.....	48	Baskets.....	98	Radish.....	36
Beet.....	14	Fruit Seeds.....	43	Raffia.....	48
“ Mangel Wurzel and		General Information.....	6-7	Ramie Seed.....	49
White Sugar.....	15	Grape Seeds.....	58	Rhubarb.....	37
Bird Seeds.....	47	Grass Seeds.....	44-46	“ Roots.....	47
Books.....	51	Hedge Seeds.....	43	Roquette.....	37
Borage.....	15	Herb Seeds.....	42-43	Ruta Baga.....	41
Broccoli.....	15	Hop Seed.....	49	Sage.....	43
Brussels Sprouts.....	16	Horticultural Implements.....	50-51	Salsify or Vegetable Oyster..	37
Buckwheat.....	48	Hyacinth Glasses.....	48	Savory.....	43
Burnet.....	16	Ice Plant.....	25	Savoy.....	37
Cabbage.....	16-17	Indigo Seed.....	49	Scolymus.....	38
Caper Tree Seed.....	48	Jute Seed.....	49	Scorzonera.....	38
Cardoon.....	17	Kale or Borecole.....	26	Scurvy Grass.....	50
Carrot.....	18-19	Kohlrabi.....	26	Sea Kale.....	26
Caterpillars.....	48	Lawn Grass Seed.....	46	Seeds by Mail or Express.....	6
Cauliflower.....	8, 19	Leek.....	27	Seradella.....	50
Celeriac.....	19	Lettuce.....	27	Skirret.....	38
Celery.....	19-20	Lupins.....	49	Sorghum.....	50
Chard, Swiss.....	39	Marjoram.....	43	Sorrel.....	38
Chervil.....	21	Martynia.....	28	Spinach.....	38
Chicory.....	21	Mats.....	48	Sprouts.....	39
Chives.....	47	Melon, Musk.....	28	Spurry.....	50
Clovers.....	47	“ Water.....	29	Squash.....	39
Collards.....	21	Millet.....	49	Sunflower.....	50
Collection of Flower Seeds.....	94-95	Miscellaneous Articles.....	48	Swiss Chard.....	39
Corn, for Field Culture.....	22-23	“ Seeds.....	48-50	Tarragon Roots.....	47
“ for Garden Culture.....	22	Mole Trap.....	89	Teasels, Fuller's.....	50
Corn Salad or Feticus.....	21	Mushroom Spawn.....	29	Thyme.....	43
Cotton Seed.....	49	Mustard.....	30	Tomato.....	40
Cress or Peppergrass.....	23	Nasturtium.....	30	Tree and Shrub Seeds.....	53-58
Cucumber.....	23-24	Novelties in Flower Seeds.....	62-63	Turnip.....	41
Dandelion.....	24	“ in Vegetable Seeds.....	9-10	Tobacco Seed.....	41
Dhoura Seed.....	49	Okra.....	30	Vetches.....	50
Directions for Flower Seed		Onion.....	30-31	Vegetable Roots and Plants..	47
Culture.....	59-62	“ Sets, Tops, &c.....	31	Vegetables used for Pickling.	42
“ for making Hot-bed... 5		Opium (Poppy).....	49	“ “ “ Salads... 42	
“ “ Lawns... 46		Ornamental Gourds.....	90	Vines and Climbers.....	87-89
“ for Vegetable Culture 5		“ Grass Seeds.....	92-93	Wild Rice.....	50
Egg Plant.....	25	Orach, or French Spinach... 31		Whitloof.....	21
Endive.....	25	Osage Orange.....	49	Worms.....	50



TWO NEW POTATOES,

Introduced for the First Time.

We have purchased of Mr. E. S. BROWNELL, of Essex Junction, Vt., his entire stock of the "GREAT EASTERN" and "DICTATOR" Potatoes, perhaps the most valuable two varieties now in cultivation. We give Mr. BROWNELL's description of each.

GREAT EASTERN POTATO.

Mr. BROWNELL says:—I originated this potato in 1880, from the Excelsior and Peach Blow. It grows very large with few small ones; eyes few and nearly even with the surface; tubers oval and somewhat flattened. I took two tubers out of one hill that weighed two lbs. each. They were very smooth and free from prongs. I never saw a hollow or false hearted potato among them. Vines are medium and stocky, foliage dark green, color of skin white, flesh when cooked is *very white, table quality first-rate*. It matures medium early, grows compact in the hill and is easy to dig. It is one of the best producing potatoes I ever grew, if not the most productive, healthy and free from rot or decay.

Per Barrel.....	\$10 00	Per Bushel.....	\$5 00
Per $\frac{1}{2}$ Bushel.....	3 00	Per Peck.....	2 00

DICTATOR POTATO.

Mr. BROWNELL says:—I also originated this potato from the Excelsior and Peach Blow in 1880. DICTATOR grows large with few small ones. It has a bright green foliage, vines medium to large, stocky, and matures medium late, about two weeks later than the Great Eastern. Color of the skin white, eyes few and not very deep. Quality first-rate.

It is very productive, does not grow hollow, cooks white, table quality excellent. It grows compact in the hill, which make it easy to dig. Ninety (90) bushels were grown from one barrel of seed of these large potatoes with common field cultivation cut with two eyes in a piece and two pieces in a hill.

Per Barrel...	\$11 00	Per Bushel...	\$5 00
Per $\frac{1}{2}$ Bushel.	3 00	Per Peck...	2 00



SCALE OF EXPRESS CHARGES ON PACKAGES OF SEEDS, &c., FROM NEW YORK.

For the guidance and convenience of our Customers, we have prepared the following Table of Rates as charged by the Express Companies from New York to most of the Express Stations in the various States and Territories. These rates are only approximate. It is impossible to give them exact, as different rates are charged to different parts of the same State. We will undertake however, to deliver them to any of the Express Stations at these figures.

	Alabama	Arkansas	California	Colorado	Connecticut	Dakota	Delaware	Florida	Georgia	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri	Nebraska	Nevada	N. Hampshire	New Jersey	N. Carolina	Ohio	Oregon	Pennsylvania	Rhode Island	S. Carolina	Tennessee	Texas	Vermont	Virginia	West Virginia	Wisconsin	Wyoming	
Pkgs. of 1 lb. or less.					25					25	25	25	25	25		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
" over 1 lb. to 2 lb.	50	50	50	50	50	50	50	50	50	30	30	30	30	30	50	30	30	30	30	30	30	30	50	50	75	30	35	25	50	30	100	30	50	30	50	25	30	30	30	50
" 2	50	50	50	50	50	50	50	50	50	45	35	45	45	35	50	35	35	35	45	45	45	45	50	145	35	35	35	50	35	165	35	50	45	50	35	35	35	45	50	
" 3	60	60	60	60	60	60	60	60	60	55	45	60	60	45	60	40	30	30	55	60	60	60	60	195	45	45	35	60	40	220	45	60	55	60	40	40	45	55	60	
" 4	75	75	75	75	75	75	75	75	70	60	50	70	70	50	70	50	35	35	60	70	70	70	70	230	50	35	35	75	50	265	50	70	60	75	40	50	50	60	75	
" 5	95	100	125	100	30	100	35	100	95	75	55	75	95	55	100	50	35	35	65	95	100	75	95	300	55	30	40	85	50	350	55	30	75	100	45	50	55	75	100	
" 7	115	120	175	150	30	150	40	125	115	75	65	90	115	65	125	55	45	45	70	100	120	90	115	380	60	30	45	95	55	460	60	30	90	75	150	50	55	65	75	150
" 10	125	150	260	200	35	200	45	160	125	85	75	100	125	75	160	60	50	50	80	120	150	110	125	495	65	35	50	100	60	610	65	35	100	85	200	55	60	75	85	200
" 15	175	175	340	250	40	250	45	200	175	100	90	125	175	90	200	70	50	50	100	150	175	125	175	640	75	40	50	125	70	800	75	40	125	100	250	60	70	90	100	250
" 20	175	200	425	300	45	300	50	225	175	125	100	140	175	100	225	80	55	55	110	175	200	150	175	750	90	45	65	150	80	950	90	45	140	125	300	70	80	100	125	300
" 25	200	250	510	325	50	325	55	275	200	150	110	160	200	110	275	90	60	60	135	200	250	175	200	885	100	50	75	150	90	1125	100	50	160	150	325	80	90	110	150	325
" 30	250	275	595	375	50	375	60	325	250	160	130	175	250	130	325	100	65	65	145	225	275	200	250	1050	115	50	80	160	100	1325	115	50	175	160	375	90	100	130	160	375
" 35	275	325	680	425	50	425	70	350	275	175	150	200	275	150	350	110	75	75	165	250	325	225	275	1180	125	50	90	175	110	1500	125	50	200	175	425	100	110	150	175	425
" 40	300	350	765	475	60	475	70	400	300	200	160	225	300	160	400	125	80	80	185	275	350	250	300	1315	140	60	95	200	125	1675	140	60	225	200	475	115	125	160	200	475
" 45	325	375	850	525	70	525	75	425	325	225	175	250	325	175	425	135	90	90	200	300	375	275	325	1450	150	70	105	225	135	1850	150	70	250	225	525	125	135	175	225	525

DIRECTIONS FOR THE CULTIVATION OF VEGETABLES.

To secure a good crop of vegetables, three things at least are necessary, viz., a suitable soil, pure seed, and clean culture, to which may be added as equally necessary, an *abundant* supply of good barn-yard manure, supplemented, when this runs short, by artificial fertilizers. The exposure for a vegetable garden should be preferably south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being among the best. If the soil be stiff, it should be gradually mellowed by the free use of barn-yard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile; but, if possible, a location should be selected that is naturally dry and free from surface water.

A dark colored soil, or one supplied with a goodly proportion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or sub-soiling, unless manure and money be both abundant. A sandy soil may be greatly improved by adding more or less vegetable mould from the woods. To produce the best and uniform results, the vegetable garden should have at least one foot of good rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, especially evergreens, sufficiently far off, afford a valuable protection on the north and west.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes and a few other things may form an exception to this rule, but it is nevertheless better to keep up the rotation. Every year these beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. * Grow every thing in drills or straight lines, not even excepting Corn and Potatoes. Larger crops from a given surface are grown in this way, and cultivation becomes simple and comparatively easy. The space between the drills and other special information are given in the body of the Catalogue. The least distance is named in order to economize space. It might be increased in some cases with advantage. The ground should be frequently hoed to kill the weeds and keep the soil mellow; and the proper time to hoe is just when the weeds appear above ground. Briefly, the proper way to kill weeds is never to let them grow. If the weeding be done at the time suggested, it can be mostly and quickly done by the use of a sharp-toothed steel rake.

Where the material and conveniences are at hand, much time may be gained by starting certain kinds of plants in a hot-bed, or even in a cold frame, the latter being a very convenient thing, even on a small place. The hot-bed is chiefly intended for raising early Tomatoes, Egg Plants, Peppers, Cabbage, Cauliflower, Lettuce, &c.; but as all these plants can now be bought cheaply of the seedsmen at the proper time, the expense and labor of a hot-bed can in many cases be dispensed with, especially on small places.

The above brief suggestions, and the special directions dispersed through the Catalogue, if strictly observed, will go far toward securing early and abundant crops.

TO PREPARE A COLD-FRAME.—The cold-frame is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the Winter with salt hay, straw, or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of ten or twelve inches a liberal quantity of old, well rotted manure. The manure of an old hot-bed is good for the purpose. The frame is prepared in the Fall, and young Cabbage, Cauliflower, and Lettuce plants set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some eight or ten days later. The young plants will be ready to transplant in about twenty-five or thirty days. During cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when Spring comes the plants are in a forward state for setting out for early crops. Seeds of Cabbage, Cauliflower, Lettuce, and Radish may be sown in a cold frame in the Spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

DIRECTIONS FOR MAKING A HOT-BED.

In the vicinity of New York from the first to the middle of March is quite early enough to make a hot-bed, and even a little later will do well enough. The time must vary according to the latitude. Provide a quantity of fresh horse manure from the stable, and add to this, if they can be had, one-third to one-half its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed even in severe cold weather. In two or three days fermentation will be apparent by the escape

of steam from the heap. Now turn again, and allow the heap to remain two or three days longer, or until the second fermentation commences. Make an excavation or pit two and a half feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be made in some dry, sheltered spot, facing the South or East, if possible. Hot-bed sashes are usually 6x3 feet, and one sash will generally give early plants enough for a large family. The frame for the sash should be eighteen inches high at the back, and twelve inches in front, which will give the proper slope to catch the most sunlight. Cross-pieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames. When everything is ready, the manure is placed in the pit and trodden down firmly in layers to the required depth, two to two and a half feet. Then put on the sashes, and keep the pit close until the heat rises. At first it will probably be 100° or more, which is too hot to sow the seeds in; but in two or three days it will subside to 90° or a little less, when the soil may be put on to the depth of six to eight inches. The heat may be readily ascertained by plunging a thermometer in the manure. The soil should be of well rotted sod, (or common garden soil will do,) mixed with about a third of fine, old manure, and in this the seeds may be sown thinly in drills two or three inches apart, and afterwards (as soon as out of the seed leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back. Water with tepid water whenever necessary, and during cold nights and snow storms keep covered with straw mats or board shutters. Tomatoes, Peppers, and Egg Plants should be sown in a separate frame from the Cabbage, Cauliflower, and Lettuce, as they require more heat than the latter. The same directions apply to hot-beds made on the surface of the ground, except that the manure should be at least a foot wider on all sides than the frame.



PRICES.

The prices quoted are those ruling at this date, and do not include free transit. Please add sixteen cents per pound for prepayment of postage, if desired by mail.

(See also table of Express tariff, page 4.)

SEEDS BY MAIL OR EXPRESS.

16 CENTS PER POUND should be added for prepayment of Seeds, if wanted by mail. Charges by Express are not uniform; rates depending on distance and locality. (See table of Express tariff, page 4.) Except for small parcels, and to remote parts, the Express Companies will be found the most economical mode of conveyance. Of course we shall always adopt that mode which costs the least. Neither have we charged for a **guarantee** of safe arrival by Mail. It is rare, however, that Seeds fail to reach their destination in that way.

IT IS VERY IMPORTANT

That our customers send in their orders immediately on receipt of this Catalogue, instead of waiting till the time when they wish to sow the Seed; and to save time, Seeds may be ordered by the numbers in the first column, if desired.

We beg our correspondents to give us very exactly, on each of their orders, their name and address; also to indicate very precisely the means of carriage which they prefer, whether by Express, Freight, or Mail, and the Office or Railroad Station which serves their locality.

In case these directions are not followed out, or if they are not sufficient, we shall choose ourselves the most advantageous and convenient means; but *entirely at the risk of the customer*, avoiding ourselves all responsibility.

SHIPMENTS BY EXPRESS "C. O. D."

Unless otherwise instructed, we shall send all such goods as go per Express C. O. D. Orders from unknown customers, not desiring this mode of carriage, should be accompanied by the cash.

In February we publish a list of *Gladiolus* and *Spring Bulbs*, and in September a Catalogue of *Dutch Bulbous Roots*.

NOTICE.

Write orders upon a blank sheet, separate from letter. Orders from new customers should be accompanied by a Post-Office Money Order, if convenient, or bank-bills, if the amount enclosed is not large. Address,

J. M. THORBURN & CO., 15 John Street, New York.

Whenever our customers desire it, we will select an assortment of seasonable Seeds, suited to their wants. All such orders will receive especial care and attention. The only information we require is the size of the garden and the sum proposed to be expended for Seeds. We would advise making an early test of Seeds, by sowing some of each variety in a flower pot, and keeping them warm and well watered.

We would call attention to the descriptions and directions given in the Catalogue, concerning each variety of Seeds and their culture. They are as full and explicit as the limited space of a Catalogue will admit, and worthy of constant reference and study. The directions are derived from years of experience, and aim to meet the requirements of soil, climate and culture, in and around New York. For more Northern and Southern localities, changes in the time of sowing, &c., are, of course, necessary, and will readily suggest themselves.

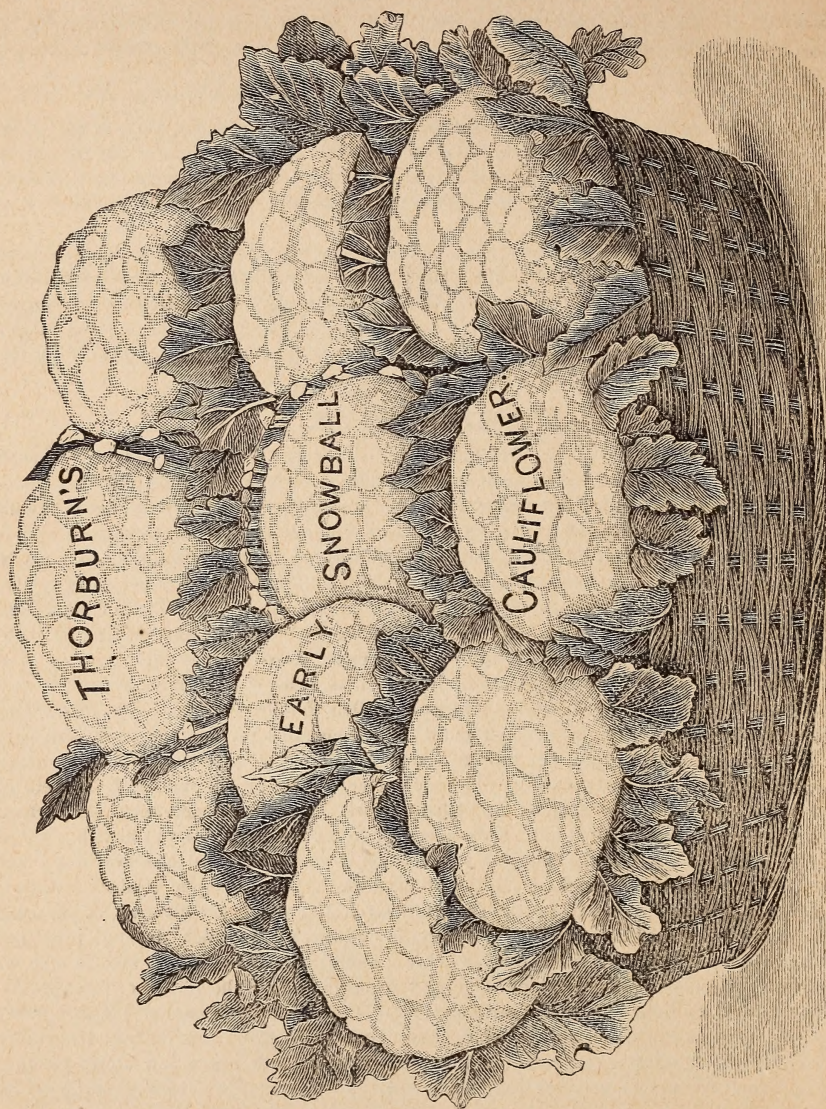
WARRANTIES.

Seeds of the best possible quality will fail through improper treatment. Thus, if a small seed be sown so deep that the young plant cannot reach the surface, the seeds, however good, will fail. More failures result from a want of proper knowledge of the conditions necessary to germination than from the bad quality of the seeds themselves. These conditions are: A proper temperature, sufficient moisture, and free access of air; besides these, the soil must be in a proper condition, and present no mechanical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to form a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it; and many perish from this cause alone. Seeds differ greatly as to the temperature required for germination; Beets, Cress, Peas, etc., germinate readily at a temperature of 45°; but if Melons and other seeds of that family, bush or pole Beans, and other plants of sub-tropical origin are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing. The second condition, proper moisture, is likely to be violated by an excess rather than by too little moisture. The proper amount is that which a well drained soil will naturally hold. Free access of air is all important, and this is interfered with by an excess of water in the soil. In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off, in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it has formed roots below ground and leaves above, and is able to sustain itself. Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continued drying wind, may check their growth, or destroy the young plants altogether; besides these, there are numerous insects, both below and above ground, that may attack the plants, some of these being so small that they often destroy a crop before they are discovered.

For the above reasons, we wish to state in this explicit form, *that while we exercise the greatest care to have all Seeds pure and reliable, we sell no Seeds with warranty, express or implied, in any respect, and will not be in any way responsible for the crop. If the purchaser does not accept the Seeds on these terms, they must be returned at once.*

JAMES M. THORBURN, }
F. W. BRUGGERHOF. }

J. M. THORBURN & CO.,
15 John St., N. Y.



SNOWBALL CAULIFLOWER.

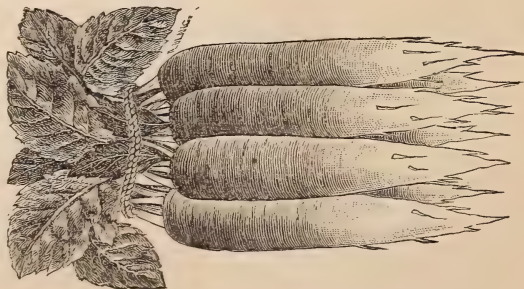
\$5 per oz., 25c. per packet.

SELECT NOVELTIES IN VEGETABLE SEEDS.



- BEANS, "Transylvania Butter."** *A new Pole Bean, with broad green stringless pods 10 inches long, fine and very productive. Per quart.....* \$0 50
- CABBAGE, "New Flowering Head Cabbage."** *Quite a distinct novelty from Germany, the outward appearance of this Cabbage is not unlike a pointed Wakefield, but by cutting in half the interior will be found filled with miniature cauliflowers, which it resembles in flavor. Per packet.....* 30
- CELERY, "Improved White Plume."** *This Celery has been in cultivation to a limited extent by the market gardeners in the vicinity of Newark, N. J., for the past seven or eight years under the name of "White Heart." It is claimed by some that the seed was first brought there by a Chinaman, but others equally reliable state that it was found amongst the Golden Heart, and that it is a sport of that variety. However that may be, it is a valuable early market sort, the entire plant generally, with the exception of the outer stalks, being naturally silvery white, requiring but little labor to put in shape for market. Its only fault is that it rarely keeps after Christmas. Per oz., \$2; per packet...* 25
- CORN, "Perry's Hybrid Sugar."** *This is the largest extra early sweet corn in cultivation of fine quality, the ears are twelve rowed and twice the size of Minnesota and earlier, most valuable sort. Per quart.....* 40
- MELON, "Golden Perfection."** *A new highly perfumed melon of exquisite flavor from Italy, very sugary, small size, slightly oblong, fine netted skin and golden yellow flesh. Per packet.....* 25
- PEAS, "Cleveland's Rural New Yorker Peas."** *Said to be the most prolific, as well as the earliest Pea yet produced. Its uniformity of ripening.—All the pods, from the bottom to the top of the haulm, being fully developed, permitting the entire crop to be removed at one picking—a most important consideration to the Market Gardener. Its wonderful productiveness.—The Rural New Yorker of September 1, 1883, reports a trial of Extra Early Peas:—"100 pods weigh 19 ounces, containing 654 seeds, which weigh 8 ounces," an average of six and a half remarkably large Peas to the pod. In comparative test with these were several other Extra Early Peas, selected as being the best representative of their class. A summary of the Rural report shows that one hundred pods taken from the R. N. Y. (Rural New Yorker) Pea weighed 5½ ounces more than a like number taken from the next best variety, and 13¾ ounces more than the same number of pods from the poorest, while the Peas taken from the one hundred pods weighed 2½ ounces more than the seeds of the next best Peas, and 5¾ ounces more than those of the poorest. Per quart.....* 50

- PEAS, "Horsford's Market Garden Pea."** *This new wrinkled pea is the result of a cross between the Alpha and American Wonder, grows from 15 to 30 inches high, is very stocky and requires no bushing. It is extremely prolific and bears its pods always in pairs. Each vine throws out from 15 to 25 laterals, 10 to 15 inches long, and on some of the best plants over 150 pods have been counted. Twenty bushels have been grown from 35 pounds of seed. Its habit is such that a small amount of seed will plant a large plot of ground. Plant the seeds from 3 to 6 inches apart in the drill. It ripens about the same time as McLean's Advancer, and those who have eaten it pronounce it one of the sweetest they have tasted. Per packet.....* \$0 25
- RADISH, "Beckert's Chartier."** *This new Long Radish is described by the originator as deep crimson, varying into a delicate pink to the middle, and thence downward it is a pure waxy white, the quality is unsurpassed. Per packet.....* 25
- RADISH, "Extra Early Roman Carmine Turnip."** *Small and delicate, high color, finest for frames. Per lb., \$1.50; per oz.....* 20
- RADISH, "Early Globe Shaped Prussian Carmine Turnip."** *New and quite distinct crisp round Radish of brilliant color, fine for forcing. Per lb., \$1.50; per oz.....* 20
- SQUASH, "New French Olive."** *The shape and color of this Squash is exactly that of an olive, its weight attains from 6 to 10 lbs., the skin is smooth and extremely thin and the flesh thick, firm, of a golden yellow color and of remarkably good quality. Per lb., \$2.50; per oz.....* 25
- SQUASH, "New Pine Apple."** *Said to be a cross between "White Bush" and the English Vegetable Marrow, adapted for Summer, Fall or Winter use, for Pies, cut in slices, fried or stewed, it is first class. Per lb., \$2.50; per oz.....* 25
- TOMATO, "King Humbert."** *King Humbert is particularly recommended on account of its earliness, the handsome form of its fruit, and delicious flavor. It is of a glossy scarlet color, very smooth, of the size and shape of a very large plum, and contains but few seeds; the flavor may best be compared to that of an apple. No Tomato equals it in productiveness. Per oz., 75c.; per packet.....* 25



BECKERT'S CHARTIER RADISH.

JAMES M. THORBURN & CO'S

ANNUAL CATALOGUE

—OF—

SEEDS

&c., &c., &c.

☞ You will notice that our prices are quoted at the New York lowest figures, and do not include the prepayment of express charges or postage, for which add 16 cents per pound.

☞ See page 52 of this Catalogue for complete assortments of *VEGETABLE SEEDS* of approved and choice Sorts, for from \$5 to \$25.

VEGETABLES.

ARTICHOKE—**ARTICHAUT**—*Alcachofa*—*Artichôte*.



FRENCH ARTICHOKE.

No. 15 French Green Globe, 7 oz., 35 cents; 7 lb., \$3.50.

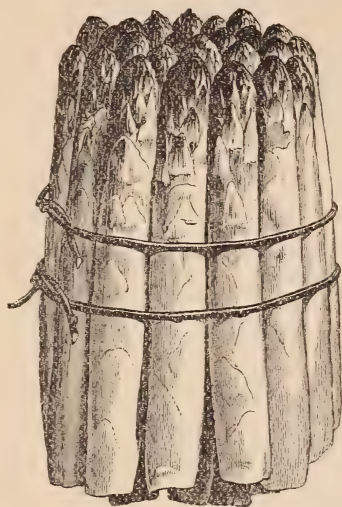
No. 18 Large Paris, *very hardy*, 7 oz., 75 cents.

CULTURE.—Deep, rich, sandy loam, with plenty of well-rotted manure. Sow seeds in April and May, and, when large enough, transplant into rows three to four feet apart and two feet in the rows. They reach maturity the second year. Cover with litter when cold weather commences, first tying up the leaves so that they will occupy less space, and in spring fork in a dressing of manure. It is an excellent vegetable and easily grown, thriving in any situation, provided the heads are cut off and used as fast as they get ready; if left to ripen on the plant they exhaust it, and no more are produced that season. When cut regularly

they are produced in succession for a good while. Heads are unfit for culinary purposes after the flowers expand; hence the indifferent opinion entertained of this vegetable through these being cooked after they have passed the proper stage, when they are tender and delicious.

ASPARAGUS—**ASPERGE**—*Esparrago*—*Spargel*.

	per oz.	per lb.
20 French Argenteuil.....	25 cts.	\$1.50
24 Conover's Colossal.....	10 cts.	.50
" " 2 year old roots, per 1000 \$8; per 100 \$1.00		



ASPARAGUS.

CULTURE.—Sow the seeds thinly in rows one foot apart in April or May, and keep down all weeds. Radish or Lettuce seed may be mixed with it, so as to mark the rows readily, and allow the weeds to be destroyed as soon as they appear. To secure strong, healthy plants, thin out the seedlings to three or four inches in the rows, saving only the strongest. The one year old plants should be set out in the Spring, in a rich, sandy loam, dug eighteen inches or more deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds five feet wide, three rows in a bed, the outer being each one foot from the edge, and allow twelve inches in the row. Set the plants at least six inches below the surface. If set out in the Autumn, we recommend a top dressing of at least six inches of manure. For market on a large scale, set four feet apart one way and one and a half the other, which will allow the use of a horse and cultivator to keep the weeds under. Every Fall a good dressing of coarse manure should be ap-

plied after the tops have been cut, and in the Spring forked in. In localities away from the seacoast, a dressing of coarse salt given in Spring, at the rate of two pounds to the square yard, will be found very beneficial.

ENGLISH DWARF BEANS—*FÊVE DE MARAIS*—*Haba*—*Große Bohnen*.

	per bus.	per qt.		per bus.	per qt.
27 Early Mazagan.....	\$5 00	25	31 Sword Long Pod	\$5 00	25
29 Broad Windsor.....	5 00	25	33 Green Nonpareil.....	5 00	25

KINDS.—No. 27 is the earliest; Nos. 29 and 31 are best for main crop.

CULTURE.—Sow in drills two feet apart, as early in the Spring as the ground can be worked, in order to get them into pod before the heat of Summer. When in pod, break off the top of the plant to check growth. Plant and hoe same as for Dwarf Beans. A strong soil suits them best.

DWARF or SNAP BEANS—*HARICOTS NAINS*—*Frijoles*—*Krup-Bohnen*.

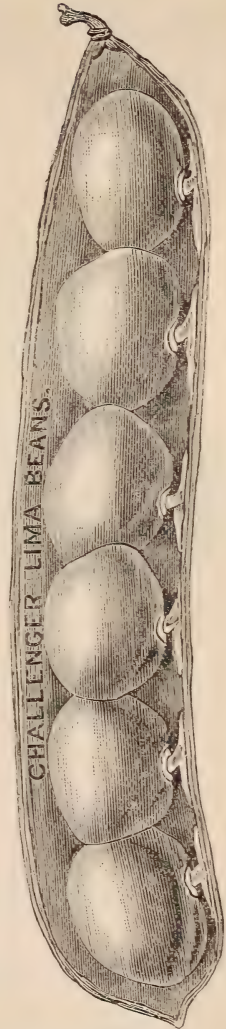
	per bus.	per qt.		per bus.	per qt.
34 French Emile.....	\$6 00	40	41 Early Valentine.....	\$4 50	25
36 Ne Plus Ultra.....	6 00	40	42 " " Cleveland's Imp'd	7 00	40
37 Canadian Wonder	7 00	40	43 Negro Long Pod.....	4 00	25
38 Best of All	8 00	40	45 Early Mohawk	4 50	25
39 Fulmer's Early.....	5 00	30	48 Early China	4 00	25
40 Osborn's Early Forcing....	8 00	40	50 Early Dun Colored.....	4 00	25

Dwarf or Snap Beans.—Continued.

	per bus.	per qt.
53 Early Rachel.....	\$4 50	25
55 Early Yellow 6 Weeks.....	4 50	25
59 Long do do.....	4 50	25
64 Black Wax.....(yellow pod).....	5 50	30
66 White Wax..... " ".....	6 00	30
68 Ivory Pod Wax..... " ".....	9 00	40
69 Golden Wax..... " ".....	7 00	40
71 Crystal Wax..... " ".....	7 00	40
72 Lemon Pod Wax... " ".....	7 00	40
73 Golden Butter Wax. " ".....	7 00	40
75 Flageolet Wax Red.....	7 00	40
77 " White.....	7 00	40
81 " Improved Green.....	7 00	40
90 Refugee or 1,000 to 1.....	4 50	25
90a Golden Refugee.....	5 00	25
91 Galega.....	6 00	30
92 Mexican Tree Bean.....	7 00	40
93 White Valentine.....	5 00	30
94 White Prussian Sugar.....	5 00	30
95 White Scimeter.....	4 50	25
97 White Kidney.....	4 00	25
99 White Marrow.....	3 00	25

KINDS.—Nos. 36, 41, 42, 59 and 64 are the earliest. No. 45 the most hardy. Nos. 36 for green and 64 for yellow pod are best. No. 90 and 91 also for late, and best for pickling. Nos. 64 to 75 are the Dwarf Wax varieties, with yellow, transparent pods. Nos. 75 and 81 are the celebrated Flageolet Beans of the French; and although used as a string bean they are superior only as a shell variety, cooked precisely as the Lima they are delicious.

CULTURE.—About the first of May select a warm, dry, sheltered spot; dig and manure slightly; make drills two inches deep and two feet apart; drop the Beans three inches apart in the drill, and cover not more than two inches deep. Keep hoed, when not wet, and the weeds killed. Sow every two weeks for a succession.

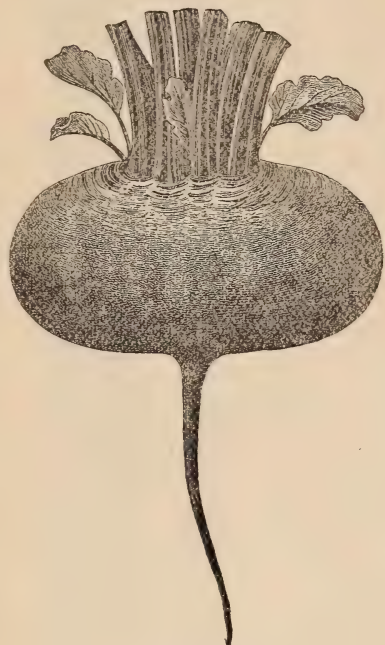


POLE or RUNNING BEANS—HARICOTS A RAMES—*Frijole de bejuco*—
Stangen-Bohnen.

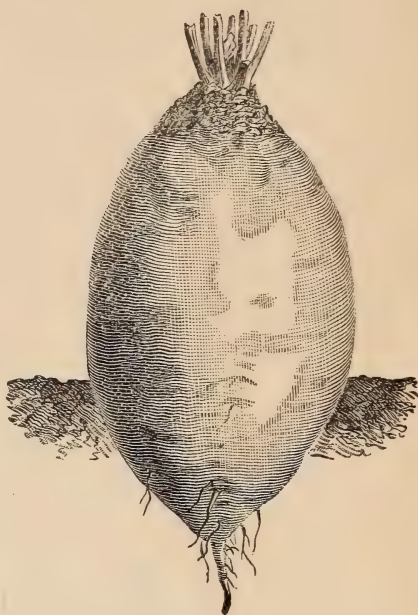
	per bus.	per qt.		per bus.	per qt.
115 Horticultural or Speck- led Cranberry.....	\$8 00	40	141 Large Red Lima	\$16 00	75
118 Dutch Case Knife	7 00	40	149 Drear's Lima.....	8 00	40
125 White Cranberry.....	7 00	40	153 White Dutch Runner..	7 00	40
127 Southern Prolific.....	7 00	40	162 Black Wax (yellow pod)	9 00	50
129 Scarlet Runner.....	6 00	30	167 Giant Red Wax	9 00	40
133 Large White Lima....	8 00	40	169 White Algerian Wax ..	9 00	50
134 Challenger Lima.	16 00	75	171 Transylvania Butter...12 00		50
137 Small White Lima....	8 00	40	173 Mont d'or	10 00	50
139 Speckled Large Lima.16 00		75	179 French Yard Long (cu- rious and fine).....		1 25

KINDS.—Nos. 115, 118, 163, and 169 are best for Snaps, and Nos. 129, 133, 134 and 149 the best for Shell Beans, and most valuable for main crop.

CULTURE.—Sow as soon as the soil becomes warm and dry, from the first part of May for all except Limas, to the latter part of May, in hills four feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will make about 100 hills, allowing four to five beans to a hill, and of the smaller sorts about 200 hills. Poles, eight to ten feet long, should be firmly set in the center of the hills before putting in the seed.



EGYPTIAN BEET.



YELLOW OVOID MANGEL.

BEET—BETTERAVE—*Remolacha*—*Runkelrüben*.

	lb.	oz.		lb.	oz.
195 Extra Early Dark Egyptian	\$0 75	10	242 Victoria (<i>metallic-red foliage</i>)	\$3 00	30
206 Dewing's Extra Early	75	10			
212 Early Bassano	75	10	243 Dell's <i>Black-leaved</i>	2 00	20
214 Early Blood Turnip	60	10	247 Scarlet Ribbed Chilian	2 00	20
215 Bastian's Blood Turnip	75	10	248 Yellow Ribbed Chilian	2 00	20
220 Early Yellow Turnip	75	15	249 Crimson Veined Brazilian	1 50	15
229 Long Smooth Blood	60	10	250 Golden	1 50	15
240 Ne Plus Ultra (<i>dark foliage</i>)	1 50	15	251 Scarlet	1 50	15
241 Crown Prince (<i>deep red foliage</i>)	2 00	20			

KINDS.—Nos. 195, 206 and 215 are the earliest and best, if used when young. We recommend for early Summer use Nos. 195 and 215, for General and Winter use; Nos. 214 and 229 also, for Late and Winter crops. Nos. 240 to 251, for ornament, are fine for borders or edgings on account of their brilliant foliage.

CULTURE.—Sow as early in the Spring as the ground can be worked, and every two weeks after for a succession, up to the first week of July. For general crop sow about the middle of May. The soil should be a light sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills one foot to fifteen inches apart, and when well up thin from four to six inches. The young Beets pulled out of the rows are excellent used as Spinach.

BEET—MANGEL WURZEL, SUGAR, Etc.

	lb.	oz.		lb.	oz.
260 Long Yellow Mangel Wurzel	50	10	280 Golden Tankard Man Wurzel	50	10
263 Long Red “	40	10	283 Mammoth Long Red....	50	10
271 Yellow Globe “	50	10	284 Mammoth Golden.....	1 50	15
272 Kinver's Yellow Globe “	50	10	290 White Sugar.....	40	10
274 Red Globe “	50	10	293 Vilmorin's Imp. Sugar... 1	00	10
278 Yellow Ovoid “	50	10	298 Lane's Imp. Sugar.....	50	10

KINDS.—Nos. 260 to 284 inclusive are for feeding cattle. Nos. 290, 293 and 298, for making sugar from, as well as for cattle feeding.

CULTURE.—As all Mangels require a deep soil in order to grow well, plow and subsoil at least a foot to eighteen inches, and apply plenty of rich manure. Sow in May and June, in rows eighteen inches to two feet apart, and thin to eight inches in the rows. Young plants may be transplanted to fill up vacancies. A celebrated cultivator advises to sow in addition, when the plants are three to four inches high, at the rate of 100 lbs. Blood Guano, 200 lbs., Bone Flour and 400 lbs. Salt per acre. As soon as frost occurs dig the crop. But, in order to be well preserved for gradual consumption during the winter, Mangel Wurzel should be heaped to a height of perhaps six feet, on a dry, sloping situation. Cover at first with a piece of canvas, and, as the cold increases, this should be replaced by about six inches of either salt-hay, straw, sea weed, or even corn stalks. Lest this covering be displaced by the wind a light layer of earth is necessary. So soon as this surface soil becomes frozen, about six or eight inches more of earth should be placed over the entire heap. By following up this gradual process of covering, all danger of heating will be obviated. Sow from four to five pounds to the acre.

BORAGE—BOURRACHE—*Borrajā*—Borretch.

lb. ounce, 15 cents; lb., \$1.00.

The young leaves of this Annual, which smell somewhat like a Cucumber, are used as salad or boiled as Spinach. Should be sown at intervals, as the leaves are palatable *only when young*.

CULTURE.—Sow in the Spring, in light soil, and transplant to shallow drills, a foot apart, when of about six weeks' growth.

BROCCOLI—BROCOLI—*Brocoli*—Spargelfohl.

	lb.	oz.		lb.	oz.
300 Early White.....	\$3 00	30	308 White Cape.....	\$7 00	60
302 Early Purple.....	3 00	30	310 White Sprouting.....	3 00	30
304 Early Walcheren.....	7 00	60	312 Sulphur-Colored.....	3 00	30
306 Early Purple Cape (fine).	4 00	40	314 Chappel's Cream.....	3 00	30

KINDS.—The above are the sorts best adapted to this climate, and the only ones which succeed generally. We recommend No. 306 as the most certain.

CULTURE.—Sow early sorts as soon as the ground can be worked in the Spring, in shallow drills, drawn three or four inches apart. Plant out two feet apart each way, when plants are four inches high. Cultivate the same as Cabbage, in rich soil.



BRUSSELS SPROUTS.

BRUSSELS SPROUTS—*CHOUX DE BRUXELLES*
—*Berza de Brussels*—*Rosentohl*.

	lb.	oz.
316 Best French, or Roseberry.....	\$2 00	20
318 Improved Dwarf	2 50	25

CULTURE.—Sow in May, in the same manner as Cauliflower and transplant in July, one foot apart in the rows. In gardens both large and small, Brussels Sprouts are without exception the very best winter vegetables that can be grown. Not the least valuable point connected with the Brussels Sprout is that it is as hardy as the common curled Greens. The common Cabbage is hardy enough in a young state, but when full grown and hearted frost soon destroys the large heads, which rot and fall to pieces. Not so the Brussels Sprouts; being small and hard, it is not in the least affected by frost. The real Sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. These are the sort which cooks prefer; they strip off their outer covering, cook them whole, and serve them up artistically in that fashion. When cooked through and no more, such Sprouts melt in the mouth, like the tenderest Cauliflower, and are equally good.

BURNET—*PIMPERNELE DE JARDIN*—*Pimpernella*—*Pimpernell*.

324 Garden, 10 cents per ounce.....\$1.00 per pound.

CULTURE.—Sow early in Spring, half an inch deep, thinly in rows. The leaves have a warm, piquant taste for salads and soups.

CABBAGE—*CHOU*—*Berza de repollo*—*Rohl*.

	lb.	oz.		lb.	oz.
329 Etampes, (very fine).....	\$2 00	20	403 Early Flat Dutch.....	\$4 00	40
330 Little Pixie	2 50	25	412 Large Late Drumhead...	3 00	30
335 Wheeler's Cocoanut.....	2 00	20	415 Large Fine Flat Dutch...	3 00	30
356 Early York.....	1 50	20	418 Silver Leaf Drumhead...	3 00	30
365 Early Jersey Wakefield...	4 00	40	419 Late Mountain.....	3 00	30
369 Early Winningsstadt	2 00	20	420 Marblehead Mammoth...	3 00	30
380 Early Dwarf Savoy.....	2 00	20	421 Fother's Brunswick...	2 00	20
384 Small Early Ulm Savoy ..	2 00	20	427 Filder Kraut	2 00	20
394 Early Ox-Heart	1 50	20	448 Drumhead Savoy	3 00	30
399 Large Early York	1 50	20	460 Red Solid (for pickling)...	2 00	20
401 Improved Early Summer..	4 00	40			

KINDS.—Nos. 329, 330, 356 and 365 are the earliest. Nos. 369, 401 and 403 are the best for second early. We particularly recommend No. 401. Nos. 412 and 415 are the well-known Winter varieties. Nos. 412, 415 and 418 are the best for main crop. No. 448 is the best for family use.



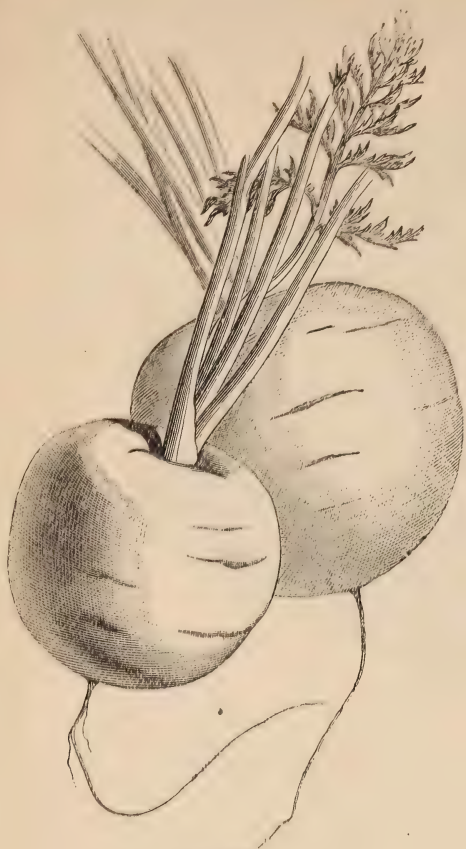
IMPROVED EARLY SUMMER CABBAGE.

CULTURE—Soil for Cabbages should be a rich heavy loam, with good drainage. On such a soil, with an abundance of stable manure, excellent crops are sure to be grown. For early Spring sow in Fall, not too early, or the plants are liable to bolt in the Spring instead of heading, and in a month the plants will be fit to transplant to cold frames, where they are wintered, taking care, in planting, to set the young plants down to the first leaves. Transplant in Spring as soon as the ground can be worked, setting the plants two feet apart one way, and from twelve to eighteen inches the other, according to the variety. If it is desirable to economize space, Lettuce or Radish may be sown between the rows, as they will be out of the way before the Cabbages need the room. For late or Winter crops the seed is sown in May, and the plants set out in July. In this case they are set in rows two by three feet, so as to work them with horse and cultivator. To prevent the Turnip Flea attacking the young plants, sift fine air-slacked lime over them as soon as they appear above ground. Lime or bone-dust make excellent fertilizers for this crop if sown and harrowed in lightly before the plants are set out.

CARDOON—CARDON—*Cardo*—Garden.

465 Large Solid, 40 cents per ounce.

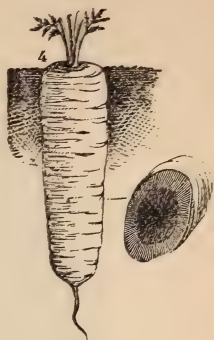
CULTURE.—Sow early in Spring, in rows, where they are to stand, and thin them to one foot apart. When full size, bind the plants together with straw or matting, and earth up like Celery to blanch. The stems of the leaves are used for salads, soups, and stews.



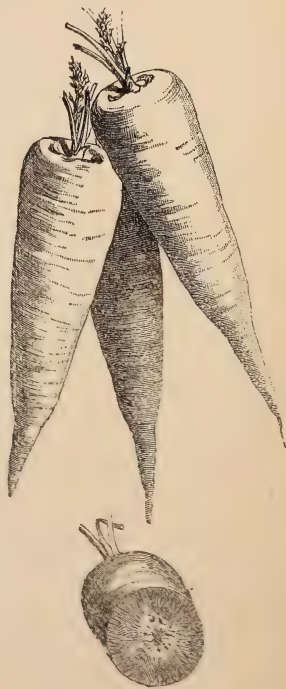
FORCING CARROT.



EARLY HORN CARROT.



HALF LONG CARROT.



LONG ORANGE CARROT.

CARROT—CAROTTE—*Zanahoria*—*Möhren*.

	lb.	oz.
469 Extra Early Forcing.....	\$1 00	10
473 Early Scarlet Horn.....	1 00	10
476 Half Long, pointed.....	1 00	10
479 Half Long, stump rooted.....	1 00	10
480 " " " Nantes strain.....	1 00	10
484 New Half Long Luc (short thick).....	1 00	10
484a Half Long Danvers.....	1 00	10
485 Best Long Orange.....	75	10
489 Altringham.....	75	10
493 Long White.....	50	10

KINDS.—For the earliest and latest crops No. 469. It is very tender and fine for the table, and may be sown from April to August. Nos. 476, 484, and 485 are the best for the main crop. No. 485 is particularly recommended for stock; sow two pounds to the acre.

CULTURE.—Sow No. 469 as early as the ground can be worked; or for late crop, until latter part of July; for main crop, sow from the middle of May to 1st of July. Thin out early crop to five inches in row; main crop six to seven inches; the rows ten inches apart for early crop; fourteen for main crop. Hoe often and deeply between rows. Soil, light sandy loam, richly manured and deeply dug.

CAULIFLOWER—CHOU-FLEUR—*Coliflor*—*Blumenkohl*.

	lb.	oz.		lb.	oz.
499 Extra Early Dwarf Erfurt.. ½ pkt., 50c.	\$9 00		509 Early London	\$5 00	50
503 Early Dwarf Erfurt... \$30 00	2 00		512 Thorburn's Nonpareil.	6 00	50
504 Early Snowball, ½ pkt., 25c.....	5 00		513 Half Early Df. French	6 00	50
505 Early Paris..... 10 00	75		514 Stadtholder.....	6 00	50
506 French Imperial 10 00	75		517 Walcheren.....	6 00	50
507 Large Algiers 8 00	60		522 Late London.....	5 00	50
			524 Lenormand's.....	7 00	60
			527 Autumn Giant.....	6 00	50

KINDS.—Nos. 498 to 505 will be found the finest varieties for early, and Nos. 499 and 504 for forcing. Nos. 507 and 512 for late. No. 524 is also highly recommended.

CULTURE.—This is the same as for Cabbage, except that extra manure and plenty of water will pay upon this. If the soil be dry, water frequently, and if the plants could have a heavy mulch of hay or straw, it would keep the soil moist, and the plants would not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April, the late kinds may be planted out same time as for Cabbage.

CELERY—CELERI—*Apio*—*Cellerie*.

	lb.	oz.		lb.	oz.
528 Improved White Plume.....	\$24 00	2 00	544 Dwarf Crimson.....	\$2 50	25
529 Perfection Heartwell..	5 00	50	547 Sandringham Dwf White	1 50	20
530 Golden Heart.....	4 00	40	549 Giant White Solid	3 00	30
531 Boston Dwarf.....	4 00	40	553 Celeriac, or Turnip rooted	1 50	20
533 Crawford's Half Dwarf.	4 00	40	555 New Apple Celeriac...	1 50	20
534 Walnut.....	4 00	40			

KINDS.—Nos. 529, 530, 533, and 549 are the best sorts for family use. We recommend No. 528 for early and No. 529 for main crop. These two sorts are also best for market gardeners.

CULTURE.—Sow the seeds in a light, rich, dry border as early as the ground can be worked. In drills eight or ten inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. When fairly out of the seed leaf they may be transplanted to another bed, or they may be thinned out to six or eight inches apart, and left to grow till wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July at the North, and a month or six weeks later in the Southern States, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots. In the garden the better way is to set the plants in shallow trenches. We say shallow, for it is obviously a bad plan to remove all the good soil, (as must be done in a deep trench,) and put the plants in that which is poor. The plants may be set in a single row in a narrow trench, or the trench may be made into a bed wide enough to hold two, three, or four rows, and in this case the plants are in a compact form to be covered for the Winter where they grow. This will save much labor where there is no root cellar for storage, as often happens to be the case. When grown in beds in this way, the rows should be one foot apart, and the plants about eight inches apart in the rows. A bed four feet wide will take four rows of plants, leaving six inches of space on the outside of the first and last row. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times; and in doing this care should be taken not to let the earth get into the heart or center of the plant. In field culture the plants are set on the surface in rows four feet apart when the Celery is to be earthed up in the field for early use, and two feet apart when the plants are to be taken up and blanched in the cellar for Winter use. The plants are set six inches apart in the rows. The weeding is done by horse power, and the earthing or banking up is mostly done by the plow and the spade. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground one foot wide, and of a depth a few inches less than the height of the Celery. The plants are then lifted and set closely together until the whole quantity is stored. The edges of the trench should be made sloping from the tops of the plants to carry off all surface water. When severe cold weather comes on, cover with leaves, hay, or straw, and place boards on the top to keep out the moisture. The covering must be put on gradually, else there will be danger of heating, and consequent decay. In such a trench the stalks will blanch perfectly, and may be taken out any time during the Winter. If left in the beds where grown, they should be protected by a heavy coat of leaves, straw, &c. The Turnip rooted, or "Knob" Celery, needs no earthing up, and may be planted in rows one foot apart.



IMPROVED WHITE PLUME CELERY.



CURLED CHERVIL.

**CHERVIL—CERFEUIL—*Perifollo*—
Benjenlauch.**

559 Curled, 15c. P oz., \$1.00 P lb.
563 Tuberous, 20c. P oz., \$2.00 P lb.

CULTURE.—Cultivate and use like Parsley. Sow at any time in the Spring, in shallow drills, one foot apart. The seed of the Tuberous Chervil should be sown in August or September, and treated like the Carrot.

CHICORY.

COMMON OR WILD.—“*Barbe de Capucin*,” a salad much used in France. Sown in June, the roots are transplanted in Autumn into sand in a cellar, the shoots, which will come up soon, form the *Barbe de Capucin*. Per lb. \$1.00; per oz. 10c.

WHITLOOF.—Sow in June; plant the roots one inch apart, from October to the closing of the ground, in rows eight inches apart, in a trench one foot deep, cut off the leaves. Cover the roots with well-sifted soil eight inches thick, and the whole with a good layer of dung two to three feet thick, more or less, according to the temperature and the quickness of growth required: the Whitloof will be produced three weeks afterwards in the intermediate cover of soil. Excellent as a salad as well as a cooked vegetable. Per lb. \$1.00; per oz. 10c.

Large rooted, roots of this variety are used for the Chicory of commerce. Per lb. \$1.00; per oz. 10c.

COLLARDS—CHOU-CABU—*Cabu*—Blätterkohl.

568 Georgia Grown, 15 cents P oz.; \$1 25 P lb.

CULTURE.—Sow seeds as for Cabbage, in June, July, and August, for succession. Transplant when one month old, in rows a foot apart each way, and hoe frequently.

CORN SALAD, or FETTICUS—

MACHE—*Macha o Valerianilla*—Stechsalat.

	P lb.	P oz.
572 Large Seeded.....	\$1.00	10
575 Small Seeded.....	1.00	10
576 Green Cabbaging.....	1.50	20
577 Lettuce Leaved.....	1.50	20

CULTURE.—Sow during August, or early in September, in drills a quarter of an inch deep and six inches apart. If dry weather, tread in the seed lightly. Keep down weeds with hoe. Just before the first of Winter cover thinly with clean straw or leaves. A delicious hardy salad.



CORN SALAD.

CORN—MAIS—*Mais*—*Maïs*.**EXTRA EARLY.**

581 Marblehead Sugar	3 ear, 5 cents; 3 quart, 20 cents; 3 bushel, \$4.00					
583 Perry's Hybrid " (Extra large size, new)	" 10 " " 40 " " 6.00					
585 Narragansett Sugar	" 5 " " 20 " " 4.00					
587 Dolly Dutton "	" 5 " " 20 " " 4.00					
590 Extra Early Adams (Not a Sugar Corn)	" 5 " " 20 " " 4.00					

EARLY.

593 Tom Thumb Sugar	" 5 " " 20 " " 4.00					
596 Minnesota "	" 5 " " 20 " " 4.00					
599 Crosby's "	" 5 " " 20 " " 4.00					
604 Early Dwarf "	" 5 " " 20 " " 4.00					
608 Pee & Kay "	" 5 " " 20 " " 4.00					

SECOND EARLY OR INTERMEDIATE.

610 Old Colony Sugar	" 5 " " 20 " " 4.00					
611 Moore's Concord Sugar	" 5 " " 20 " " 4.00					
612 Amber Cream "	" 5 " " 20 " " 4.00					
614 Large Excelsior "	" 5 " " 20 " " 4.00					
616 Squantum "	" 5 " " 20 " " 4.00					
617 Early Adams (Not a Sugar Corn)	" 5 " " 20 " " 4.00					

GENERAL CROP.

618 Asylum Sugar	" 5 " " 20 " " 4.00					
620 Triumph "	" 5 " " 20 " " 4.00					
622 Hickox Improved Sugar	" 5 " " 20 " " 4.00					
626 Stowell's Evergreen Sugar	" 5 " " 20 " " 4.00					

LATE.

630 Black Mexican Sugar	" 5 " " 20 " " 4.00					
634 Ne Plus Ultra "	" 5 " " 20 " " 4.00					
640 Late Mammoth "	" 5 " " 20 " " 4.00					
644 Egyptian "	" 5 " " 20 " " 4.00					
646 Japanese Striped Maize	" 5 " " " " " " " " " "					
647 New Miniature	" 5 " " " " " " " " " "					

KINDS.—Nos. 581, 583, and 585, are best for very earliest. Nos. 593, 596 and 608 for early. No. 613 and 614 for a second early. Nos. 622, 626, 634 and 640 for general and late crop.

CULTURE.—Plant in hills three feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to the stems; break off side shoots. Make the ground rich with well-rotted manure. Sown in drills, a greater yield from a given surface will be obtained.

CORN—FOR FIELD CULTURE—*Mais pour la grande culture*.

	Ears 3 100.	Shelled. 3 bus.
654 Blunt's Prolific, <i>very valuable, also for siloing or silos</i>	\$2 50	\$2 00
655 Long White Flint	3 00	2 50
657 Compton's Surprise	3 00	2 50
660 Early Canada	2 50	2 50
665 Orange Flint	3 00	2 50
670 Long Yellow Flint	3 00	2 50
675 Golden Beauty	2 50	2 00

Corn—Continued.

	100 ears.	Shelled. bus.
677 Rural Heavy Dent	\$3 00	\$2 00
679 Maryland White Dent.....	—	2 00
682 Long Island Red Cob White.....	2 50	2 50
695 Southern (for fodder).....	—	1 25
696 Thorough-bred Flint, <i>quite distinct from all other sorts producing ears of remarkable length, of a peculiar buff color, cob very small, and kernels large and broad. It is of such spreading habit that not more than one kernel should be allowed to grow in a hill. Its great suckering habit, breadth of blade, and smallness of stalk recommends it as a fodder plant, while for ensilage purposes it is the most valuable variety now grown...</i>	3 00	2 50

KINDS.—Nos. 655, 660, and 670 are the earliest varieties. For general crop, 654, 675, 682, 677 and 679. No. 654 is the most productive corn grown, producing from 3 to 8 ears on the stalk. It requires, however, the entire season to mature in this latitude.

CRESS—CRESSON—*Berro o Mastuerzo*—Kresse.

	lb.	oz.	lb.	oz.
698 Curled, or Pepper Grass..	\$0 50	10	706 True Water Cress.....	\$4 00 40
700 Broad-Leaved	50	10	708 Erfurt Sweet Water Cress.....	75
703 Broad-Leaved Winter....	75	10		



CULTURE.—Sow Nos. 698 and 700 thickly, in shallow drills, every two or three weeks. No. 698 should be cut often, and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 706 and 708 should be sown in damp soil; or if a stream of water can be utilized, they would be very fine. It also thrives well in hot-beds.

CUCUMBER—CONCOMBRE—*Pepino*—Gurten.

	lb.	oz.
710 Early Russian.....	\$1 00	10
714 Early Short Green.....	1 00	10
718 Early Green Cluster.....	1 00	10
720 Early White Spined.....	1 00	10
722 Extra Long White Spined	1 00	10
725 Improved White Spined .	1 00	10
727 Peerless	1 00	10
729 Long Green.....	1 00	10
733 Long Green Turkey....	1 50	20
740 Extra Long Grecian	4 00	40
743 Green Prolific, pickling .	1 00	10
749 Boston Pickling.....	1 00	10
754 Tailby's Hybrid.....	2 50	25
757 New White Japan	1 00	10
760 Small Gherkin (Burr)....	2 50	25

KINDS.—Nos. 710, 714, 718 and 720 are the earliest. No. 725 is the favorite kind for table use. Nos. 718, 725 and 743 for pick-

ling, and No. 725 also for general use; No. 743 is best for market gardeners or pickle planters. No. 757 is a pure white variety.

CULTURE—For very early, sow a few seeds in hot-beds upon pieces of sod, or in small pots, and they can be readily transplanted with a gain of about six weeks before they can be sown in the open ground. Plant out in rich soil when danger of frost is over, or they may be protected by hand glasses, or even by a paper held down at the corners with a handful of earth. For general crops, sow in the open ground as soon as the weather is settled and warm, and again every two weeks for a succession. For pickles, sow from the middle of June to the first week in July. Sod land, turned over in the Fall, is the best for them. Plant in hills four feet apart, putting a shovelful of well-rotted manure in each hill.

CUCUMBER—ENGLISH VARIETIES FOR FRAMES.

CONCOMBRE (especes Anglaises) pour couches.

Packets contain from 5 to 15 seeds each, according to sort.

	⌘ pkt.		⌘ pkt.
768 Carter's Tender and True	\$0 25	788 Lord Kenyon's Favorite	\$0 25
770 Duke of Edinburgh	25	790 Prize Fighter	25
772 General Grant	25	795 Goliath	25
774 Giant of Arnstadt	25	797 Telegraph	25
776 Long Gun	25	799 Lynch's Star of the West	25
778 Blue Gown	25	802 Lancashire Witch	25
779 Marquis of Lorne	25	804 Cuthill's Black Spine	25
785 Invincible	25	806 Improved Sion House	25

CULTURE.—The above are for growing in hot-beds, or in houses particularly constructed for forcing, so that a supply can be furnished during the Winter months, at which time the prices are very remunerative. Sow seeds in November, December, or January, according to the time they are wanted for market, taking care to give plenty of air and water. It will be necessary to fertilize the pistillate flowers with the staminate, in order to render the vines productive, as, owing to the absence of insects, they will not produce a crop under glass the same as in the open ground, where bees and other insects have free access to the flowers.

DANDELION—PISSENLIT.

809 French Garden, 20 cents ⌘ ounce; \$2.00 ⌘ pound.

811 Improved Thick-leaved, ⌘ oz. 75 cents.

CULTURE.—The Dandelion is a hardy perennial plant, and one of the most desirable early Spring salads. Sow in early Spring, in drills half an inch deep and eighteen inches apart; thin out the plants to 12 inches. Keep clear of weeds during the Summer, and the ensuing Spring the leaves will be fit to cut. They are best, however, when blanched, which makes them tender and destroys to some extent their bitter taste. The blanching may be done, by placing a couple of boards over the rows, thus: **A**



DANDELION.

EGG PLANT—AUBERGINE—*Berengena*—Eierpflanze.



NEW YORK EGG PLANT.

	lb.	oz.
812 Early Dwarf Purple.....	\$4	00 40
815 Long Purple.....	2	50 25
816 Round Purple.....	5	00 50
818 Large New York Purple.....	6	00 60
822 Black Pekin.....	6	00 60
826 Scarlet Chinese (beautiful).....		40
834 Round White.....		40
835 Long White.....		40
835a Striped.....		40

KINDS.—Nos. 812 and 815 are the earliest. No. 818 is the largest and most productive, and best for main crop; No. 822 is of excellent flavor, with ornamental dark colored leaves.

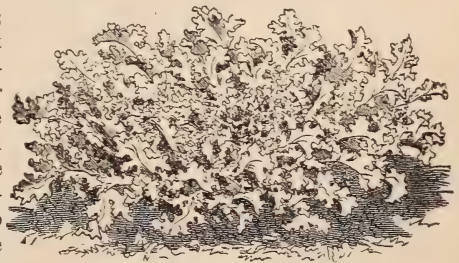
CULTURE.—Sow in hot beds, very early in Spring; and transplant when two inches high into a second bed, or into small pots. If that is not done, thin to four inches apart. Do not plant out till the weather becomes perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Keep plants watered for a few days, if the sun is hot when put out. Set out plants three feet by two.

ENDIVE—CHICOREE—*Escarola* o *Endivia*—Endivien.

	lb.	oz.		lb.	oz.
836 Green Curled Winter...	\$2	00 20	844 Moss Curled.....	\$3	00 30
840 White Curled	2	50 25	846 Broad-leaved Escarolle..	2	50 25

KINDS.—All equally good. No. 836 is the most hardy.

CULTURE.—Sow in June, July and August; cover lightly. When up, thin out to eight inches apart, and give a good watering afterward, if dry. When the leaves are six or eight inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry, and have plenty of air, or they will rot.*



WINTER CURLED ENDIVE.

Ice Plant—*FICOIDE GLACIALE*.

847 Clean Seed, 50 cents $\frac{1}{2}$ oz.; per packet, 5 cents.

CULTURE.—Sow in good garden soil as soon as the ground becomes warm in Spring, in shallow drills one foot apart. A desirable vegetable for boiling like Spinach, or for garnishing.

KALE—CHOU VERT FRISE—Col—Blätterfohl.

	per lb.	per oz.
848 New Dwarf Erfurt, <i>fine yellowish green curled</i>	\$2 00	20
849 Dwarf Green Curled Scotch.....	1 00	10
851 Dwarf Brown German Curled.....	1 00	10
856 Cottagers.....	2 00	20
859 Garnishing (<i>variegated</i>).....	3 00	30
861 Siberian German Greens.....	75	10
864 Sea Kale.....	3 50	35



DWARF SCOTCH KALE.

KINDS.—From Nos. 849 to 859 are Borecole. No. 864 is a fine vegetable, having the appearance of White Celery, and is cooked the same as Asparagus. No. 861 is used for early Spring Greens. No. 856 is a very tall and productive sort, highly recommended.

CULTURE.—Nos. 849 to 859 are cultivated and grow exactly like Cabbage. No. 861 sow in September for early Spring Greens. Sow No. 864 early in the Spring in a hot-bed, and when from one to two inches high transplant into a bed or border that has been highly manured and deeply dug. The plants should stand two feet apart in the rows. The rows (if more than one) should be three feet apart. The soil should be kept mellow and free from weeds. Cover with litter or leaves during the Winter. Plants started and grown in this way should be fit to blanch the following Spring. The seed may also be sown early in the open border, and transplanted in rows, (as directed above,) as soon as out of the seed leaf; but they will need to be a year older than the hot-bed plants before being fit to blanch. Sea Kale is not fit to eat till it has been blanched. The plants are blanched either under large pots or by banking up with sand. The midribs are the parts eaten. They are cooked like Asparagus, and usually served with drawn butter. An occasional top dressing of salt is beneficial to the plants.

KOHLRABI, or Turnip-Rooted Cabbage—CHOU-RAVE—Colinabo.



869 Early White Vienna.....	per lb. \$2 50	per oz. 25
870 " " " <i>extra</i>	" 4 00	" 40
873 Early Purple Vienna.....	" 3 00	" 30
876 Large White or Green.....	" 1 50	" 20

KINDS.—No. 869 for early forcing, and also for general crop. This is an excellent vegetable, and should be grown in every garden.

CULTURE.—Sow in Spring, in rows eighteen inches apart, afterward thinning the plants to eight or ten inches. If the weather is suitable, the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stem above ground is two or three inches through, they are fit to eat; being tough when old. They are cooked same as Turnips.

WHITE VIENNA KOHLRABI.

LEEK—POIREAU—*Puerro*—*Porro*.

879 Best Large Flag Winter.....	Ⓕ lb. \$2 50	Ⓕ oz. 25 cents.
883 Large Rouen Winter.....	" 2 50	" 25 "
885 Large Carenton Winter.....	" 2 50	" 25 "

CULTURE.—Sow very early in Spring, in drills six inches apart, and one inch deep. Thin out to one inch. When about seven inches high, transplant them in rows twelve inches apart, and as deep as possible, but do not cover the young center leaves. Water thoroughly, if dry when planted out. Draw earth up to them as they grow. Require very rich soil. Take up and store in earth in a cool cellar before Winter weather. The seed may also be sown in September, and the young plants transplanted in the Spring.



SHOTWELL'S BROWN HEAD LETTUCE.

LETTUCE—*Laitue*—*Lechuga*—*Salat*.

	Ⓕ lb.	Ⓕ oz.		Ⓕ lb.	Ⓕ oz.
888 White Forcing Head...	\$3 00	30	938 Ice Drumhead	\$1 00	15
895 Early Curled Simpson...	1 50	20	940 Salamander Head	1 50	20
897 Black Seeded Simpsons.	1 50	20	942 Green Fringed.....	1 50	20
898 American Gathering (fine)	1 25	20	945 Large Yellow Butter(Black		
905 Tennisball or Boston...	1 25	20	Seed).....	1 50	20
907 Stone Tennisball.....	1 50	20	949 Large Yellow Butter (Grey		
909 Improved Hanson.....	1 50	20	Seed).....	2 00	20
912 Victoria Cabbage.....	1 25	20	953 White Cos (Romaine)....	1 50	20
915 Shotwell's Brown Head..	2 00	20	956 Green Cos.....	1 50	20
919 White Cabbage.....	1 50	20	958 Red Cos.....	2 00	20
927 Golden Stone Head (fine)	2 50	25	966 Hardy Green Winter ...	2 00	20
929 India Head	1 50	20	967 " Red "	2 00	20

KINDS.—Nos. 888, 895, 897, 905, and 927 are best for forcing or earliest Spring crop. Nos. 895 and 898 also for succession kinds. Nos. 898, 909, 915, 919, and 945 are fine for main Spring and Summer crops, Nos. 898 and 915 for Fall. Nos. 953 and 956 are also highly recommended, but a little more trouble to raise.

CULTURE.—Sow Nos. 888, 895, 897 and 905 in hot-beds in March, and in the open ground as soon as it can be worked, and transplant to rows eight inches apart. Sow in two weeks' time same varieties again, as also Cos for a succession. In August, sow any of the varieties, except No. 966, which should be sown in September. In October, some of these may be planted in frames to head in Winter and early Spring. Always sow thin, and thin out well, or the plants will not be strong. The last Spring sowing had better be grown where sown, being thinned out to six or eight inches apart. To have Cos in good order, they must be sown in a hot-bed early in the year and transplanted to a cold frame, so as to have them good plants to set out at the opening of the ground. They require tying when grown, for a few days, to blanch. Lettuce requires good ground and moisture in abundance.

MARTYNIA—FOR PICKLES.

975 craniolaria 7 lb., \$3.00; 7 oz., \$0 30 | 976 proboscidea 7 lb., \$3.00; 7 oz., \$0 30

KINDS.—Both are productive and fine for Pickles. Pick when small and tender, and preserve the same as Cucumbers.

CULTURE.—Sow in May, in the open ground, three feet apart in each direction, where the plants are to remain; or the seed may be sown in a hot-bed, and the seedlings afterward transplanted.

MELON, MUSK—MELON MUSCADE—*Melon Muscatel*—Rantalupen.

978 Golden Perfection, <i>new</i>	7 lb.	pkt.
<i>highly perfumed golden Nutmeg</i>		25
	7 lb.	7 oz.
980 Golden Netted Gem...	\$1 00	15
981 The Surprise.....	1 00	15
983 Fine White Japan.....	1 00	15
986 Fine Nutmeg.....	1 00	15
987 Hackensack.....	1 00	15
989 Long Valparaiso.....	1 00	15
990 Hybrid Bay View.....	1 00	15
992 Orange Christina.....	1 00	15
995 Green Citron.....	1 00	15
998 Jenny Lind.....	1 00	15
1000 Long Green Persian...	1 00	15
1003 Sill's Hybrid.....	1 00	15
1004 Green Montreal.....	1 00	15
1007 Allen's Superb.....	1 00	15
1013 Long Yellow Cantaloup.	1 00	15
1015 Banana Citron, <i>Cucumber</i>		
<i>shaped and highly per-</i>		
<i>fumed</i>	1 50	20
1016 Pomegranate for Per-		
<i>fume</i>	5 00	50



GOLDEN PERFECTION MUSK MELON.

KINDS.—Nos. 981, 983 and 998 are the earliest varieties. For general and early we recommend Nos. 980 and 981 particularly for northern localities. In addition to these for general crop, we recommend Nos. 986, 989 and 992. No. 978 is a new sort and perhaps the finest ever introduced.

CULTURE.—Select a light, sandy, rich soil, and after all danger of frost is over and the ground has become warm and dry, plant in hills four to six feet apart each way, six to twelve seeds to the hill. When up, and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road dust is excellent to sift over the young plants when the dew is on, to prevent the attacks of insects. A few hills for early may be had by sowing in hot-bed on pieces of sod or in pots. The seeds may also be started out of doors under hand frames or glasses.

ENGLISH VARIETIES—FOR FRAMES.

Varietes Anglaises pour couches.

1028 Patterson's Superb, 7 ¹ / ₂ pkt. .. \$0 25	1035 Dell's Hybrid 7 ¹ / ₂ pkt. \$0 25
1033 Tottan Park..... " .. 25	1036 Bailey's Hybrid..... " 25
1034 Dr. Hogg..... " .. 25	1039 Munroe's Little Heath, " 25

MELON, WATER—MELON D'EAU—Zandia—Waffermelonen.

	7 ¹ / ₂ lb.	7 ¹ / ₂ oz.		7 ¹ / ₂ lb.	7 ¹ / ₂ oz.
1040 American Champion, a new first class large red fleshed sort.....	\$3 00	30	1069 Ice Cream or Mountain Sweet.....	\$1 00	10
1041 The Boss.....	1 50	20	1073 Goodwin's Imperial	1 25	15
1042 Vick's Early.....	1 00	15	1077 Strawberry or White Seeded Ice Cream....	1 00	15
1043 Icing.....	1 00	15	1080 Apple Seeded.....	2 50	25
1044 Scaly Bark	1 50	20	1092 Phinney	1 00	15
1045 Excelsior.....	1 00	15	1095 Southern Rattlesnake... 1 00	15	
1050 Sculpt'd Seeded Japan .	1 00	15	1099 Apple Pie Melon, for preserves.....	1 00	10
1053 Early Mountain Sprout..	75	10	1100 Citron, for preserves....	1 00	10
1057 Cuban Queen.....	1 00	15			
1060 Black Spanish.....	1 00	10			

KINDS.—Nos. 1042, 1053, 1073 and 1077 are the earliest sorts, and Nos. 1040, 1041 and 1043 are the finest for general crop. Nos. 1057 and 1095 are popular Southern sorts of excellent quality.



MUSHROOM.

CULTURE.—Treat the same as Mushroom, except that they should be planted eight to ten feet apart, according to variety.

MUSHROOM SPAWN—BLANC DE CHAMPIGNON—Seta—Champignonbrut.

English Spawn, 12 cents per lb.; 10 lbs. for \$1.00.

French Spawn, per 3 lb. box, \$1.25.

" " in bulk 7¹/₂ lb. 35c.

CULTURE.—Mushrooms may be grown in cellars, under benches of green-houses, or in sheds, wherever the temperature of 50° to 60° can be kept up through Winter. The bed should be made from November to February, according to the time the Mushrooms are wanted, and it

requires about two months for them to begin bearing. Secure fresh horse dung, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed of the required size. A bed three to four feet wide and eight inches deep, of any length desired, are the proper proportions, or these may be varied to suit circumstances. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90°, make holes in the bed about a foot apart each way, into which put pieces of the spawn two to three inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of two inches, and cover with three or four inches of hay, straw, or litter. Examine the bed often to see that it does not get dry. When water is given, it should be at a temperature of about 100°.

MUSTARD—MOUTARDE—*Mostaza*—*Senf*.

1105 Black, 30 cents $\frac{1}{2}$ quart. | 1108 White London, 40 cents $\frac{1}{2}$ quart.

1109 Chinese Large Cabbage Leaved $\frac{1}{2}$ lb., \$1 00

CULTURE.—Sow thickly during early Spring, in shallow drills, and press the earth well down. For Fall salad, sow in September; or in frames or boxes during Winter, when frost can be partially excluded.

NASTURTIUM—CAPUCINE—*Maranuela*—*Nasturtium*.

	$\frac{1}{2}$ lb.	$\frac{1}{2}$ oz.		$\frac{1}{2}$ lb.	$\frac{1}{2}$ oz.
1110 Dwarf Yellow.....	\$3 00	30	1112 Tall Yellow	\$1 25	15
1111 Dwarf Crimson.....	3 00	30	1113 Tall Blood-colored.....	1 25	15

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kind requires fences or poles, on which to climb for support. If left to trail upon the ground the fruit is apt to be injured. The seeds are used in flavoring pickles, or as a substitute for Capers.

OKRA—GOMBO—*Quimbombo*—*Safran*.

1113½ New Early Improved Dwarf, $\frac{1}{2}$ lb., \$1 50; $\frac{1}{2}$ ounce, 20 cents.

1114 Dwarf Green, $\frac{1}{2}$ lb., \$1 00; $\frac{1}{2}$ ounce, 10 cents.

1116 Long Green, $\frac{1}{2}$ lb., 75 cents; $\frac{1}{2}$ ounce, 10 cents.

1117 Creole Extra Long Pod White, $\frac{1}{2}$ lb., \$2 00; $\frac{1}{2}$ oz., 20 cents.

CULTURE.—Sow late in Spring, after the ground has become warm, in drills three feet apart, where the plants are to remain. Thin out from nine to twelve inches. They should be well manured. They may also be raised in pots, or a hot-bed, and transplanted. The pods, when young, are used for soups, stews; and when cold, made into a salad.

ONION—OIGNON—*Cebolla*—*Zwiebelfn*.

	$\frac{1}{2}$ lb.	$\frac{1}{2}$ oz.		$\frac{1}{2}$ lb.	$\frac{1}{2}$ oz.
1119 New Pearl, <i>very early</i> <i>white</i>	\$2 50	25	1145 Yellow Dutch.....	\$1 00	10
1120 Queen, <i>very early white</i>	3 00	30	1149 Yellow Danvers.....	1 00	10
1123 Large White Tripoli...	2 00	20	1150 Yellow Globe Danvers..	1 00	10
1125 White Flat Maggiajola.	2 00	20	1153 Large Yellow Globe...	1 00	10
1127 Giant White Garganus.	3 00	30	1157 Giant Rocco.....	2 00	20
1129 White Portugal.....	2 00	20	1158 Pale Red Bermuda ...	1 50	20
1130 Large White Globe....	2 50	25	1159 Globe Madeira	2 50	25
1132 Early Red Flat.....	1 00	10	1162 Flat Madeira	2 50	25
1135 Large Red Globe.....	1 00	10	1163 Brown Teneriffe.....	2 50	25
1138 Large Red Wethersfield	75	10	1165 Welsh (for Salad).....	2 50	25
			1166 Shallot Seed, per packet,		20

KINDS.—Nos. 1119 and 1120 are small, but the earliest. Nos. 1129, 1135, and 1149 are the best for main crop. Nos. 1120 and 1129 are also best for pickling, but should be sown very thick for this purpose. Nos. 1123, 1125, 1127 and 1157 are the large Italian Onions, well adapted for all of our Southern latitudes. Nos. 1130, 1135, 1138 and 1153 are the celebrated sorts for market. No. 1165, for early Spring Salad.

CULTURE.—Sow in rich, sandy soil, in drills one foot apart, as soon as the ground can be worked in Spring. Thin to three or four inches, using the rake and hoe frequently to keep down the weeds. No. 1165 should be sown early in the Fall, and will produce leaves for Salad early in Spring. Onion Sets and Tops are planted near the surface in drills twelve inches apart and four inches in the rows. These last are valuable for early use, and where Onions from seed cannot be raised the first year.



GLOBE DANVERS ONION.



RED WETHERSFIELD ONION.

ONION SETS, TOPS, Etc.

					qt.
Yellow Onion Sets.....	⌘ bus.,	\$3 50	⌘ peck,	\$1 00	\$0 20
White Onion Sets.....	"	5 00	"	1 50	25
Red Onion Sets.....	"	3 50	"	1 00	20
Red Top Onions.....	"	4 00	"	1 25	20
Potato Onions .	"	4 00	"	1 25	20
Shallots.....					25
Garlic Sets.....				⌘ lb.,	50

ORACH, or French Spinach—ARROCHE

1169 Red.....	⌘ lb.,	\$1 00	⌘ oz.,	15
1173 White.....	"	1 00	"	15

CULTURE.—Sow early in Spring, cultivate and use like Spinach.

PARSLEY—**PERSIL**—*Perijil*—*Peterfilie*.

	lb.	oz.
1175 Extra Curled.....	\$1 00	10
1178 Moss Curled.....	1 00	10
1181 Fern Leaved.....	1 50	15
1183 Plain.....	60	10
1185 Hamburg or Rooted.....	1 00	10

KINDS.—Nos. 1175 and 1181 are the best for general use. No. 1185 is grown for the roots.

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in Spring and until middle of July, in drills one foot apart. Thin out the plants to four inches. To preserve in Winter, transplant and set them in a light cellar or cold frame. No. 1185 should be thinned out while young, and managed the same as Carrots or Parsnips.



EXTRA CURLED PARSLEY.

PARSNIP—**PANAIS**—*Chirivia*—*Pastinate*.

	lb.	oz.		lb.	oz.
1188 Sutton's Student.....	\$0 60	10	1194 Maltese.....	\$1 00	10
1190 Guernsey, or Cup.....	60	10	1195 Abbott's Improved.....	1 00	10
1193 Long White.....	60	10	1196 Early Round.....	75	10

KINDS.—Nos. 1188 and 1190 are the standard kinds. No. 1196 is early, but of small size.

CULTURE.—Sow as early in the Spring as the ground can be worked, in rich soil, in drills eighteen inches apart. Thin to six or eight inches in the rows. Hoe and cultivate often to keep down the weeds.

PEAS—**POIS**—*Chicaros o Guisantes*—*Erbfen*.**EXTRA EARLY.**

	Height.	bus.	qt.
1200 Thorburn's Extra Early Market.....	2½ feet	\$4 50	\$0 25
1201 Cleveland's Rural New Yorker.....	2½ "	8 00	50
*1202 Laxton's Earliest of All.....	2½ "	6 00	30
1205 William the First.....	3 "	5 00	30
*1210 Alpha, (<i>Extra Early Wrinkled</i>) sow thick.....	3 "	6 00	30
1220 Daniel O'Rourke (improved) finest strain.....	2½ "	4 00	25
1235 Philadelphia, (<i>extra early</i>).....	3 "	4 00	25

EARLY.

1239 Kentish Invicta.....	4 "	5 00	30
*1245 McLean's Advancer.....	2½ "	5 50	30
1250 Laxton's Prolific Long Pod.....	4 "	4 00	25

MAIN CROP.

*1259 Everbearing, <i>sow thin</i>	2½ "	16 00	75
*1260 Laxton's Marvel.....	3 "	6 00	30
*1262 Prince of Wales.....	3 "	8 00	50
*1265 Champion of England, <i>sow thick</i>	5 "	4 00	25
1270 Blue Imperial (fine).....	2½ "	4 00	25
1235 Tall Sugar (edible pods).....	5 "	8 00	40
1286 Dwarf " ".....	3 "	8 00	40
*1288 Yorkshire Hero, <i>sow thin</i>	2½ "	4 50	25
*1293 Wrinkled Sugar (edible pods).....	2½ "	10 00	50
*1295 Hair's Dwarf Green Marrow.....	2½ "	6 00	30
*1300 Napoleon.....	3 "	4 50	25
*1305 Eugenie.....	3 "	4 50	25

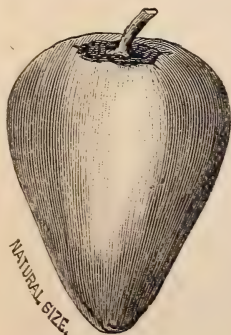
Peas.—Continued.

	LATE CROP.	Height.	per bus.	per qt.
1306 Culverwell's Telegraph (<i>fine</i>).....		4 feet	\$7 00	\$0 40
*1307 Carter's Telephone.....		4 "	10 00	50
1310 White Marrowfat.....		5 "	3 00	20
1315 Black Eyed Marrowfat.....		3 "	3 00	20
*1320 British Queen.....		5 "	6 00	30
DWARF VARIETIES—WITHOUT BRUSH.				
*1338 American Wonder (<i>extra early</i>).....	12 inches		7 00	35
*1339 Carter's Stratagem, <i>sow thin</i>	18 "		10 00	50
*1340 Abundance, (<i>second early</i>) <i>sow thin</i>	18 "		12 00	50
1345 McLean's Blue Peter (<i>early</i>).....	8 "		5 00	30
*1346 Minimum (<i>extra early</i>).....	6 "		8 00	40
*1347 Premium Gem (<i>extra early</i>).....	12 "		5 00	25
*1350 McLean's Little Gem (<i>extra early</i>) ..	12 "		5 00	25
1355 Tom Thumb (<i>extra early</i>).....	12 "		5 00	25
1356 " " Cleveland's Improved.....	9 "		7 00	40
1360 Bishop's Dwarf (<i>early</i>).....	12 "		4 00	25
1362 Bishop's Long Pod (<i>second early</i>).....	15 "		4 00	25

Those marked * are Wrinkled Marrows, and should be sown thicker than the round Peas, and not till the ground has become warm, as they are more liable to rot. They are the finest flavored of all the Peas.

KINDS.—We recommend for the first crop, Nos. 1200, 1201, 1210, 1220 and 1235; for second crop Nos. 1239 and 1245; for general crop, Nos. 1260, 1265, and 1295, for late crops; Nos. 1306, 1307 and 1320; for small gardens, Nos. 1338, 1346, 1347 and 1350. No. 1339 is one of the finest intermediate sort, and the Peas should be dropped about six inches apart.

CULTURE.—A week may be gained in earliness, by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every two weeks, for succession, up to the first of June, after which there is danger from mildew. Sow in single or double rows, from four to six feet apart, according to the different heights, about an inch apart in the row, and four inches deep. In Summer, sow six or eight inches deep. Latter part of August sow again Nos. 1200 or 1220 for Fall crop. Hoe often. The tall sorts can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like Bush Beans, with the rows about the same distance apart.



OXHEART PEPPER.

PEPPER—PIMENT—*Pimiento*—Peffer.

	per lb.	per oz.
1369 Sweet Golden Dawn ...	\$4 00	40
1370 Giant Emperor.....	10 00	75
1373 Large Squash.....	3 00	30
1376 Long Cayenne (Red) ..	4 00	40
1379 Long Cayenne (Yellow).	3 00	30
1381 Large Bell.....	3 00	30
1383 New Oxheart, <i>for pickling</i>	3 00	30



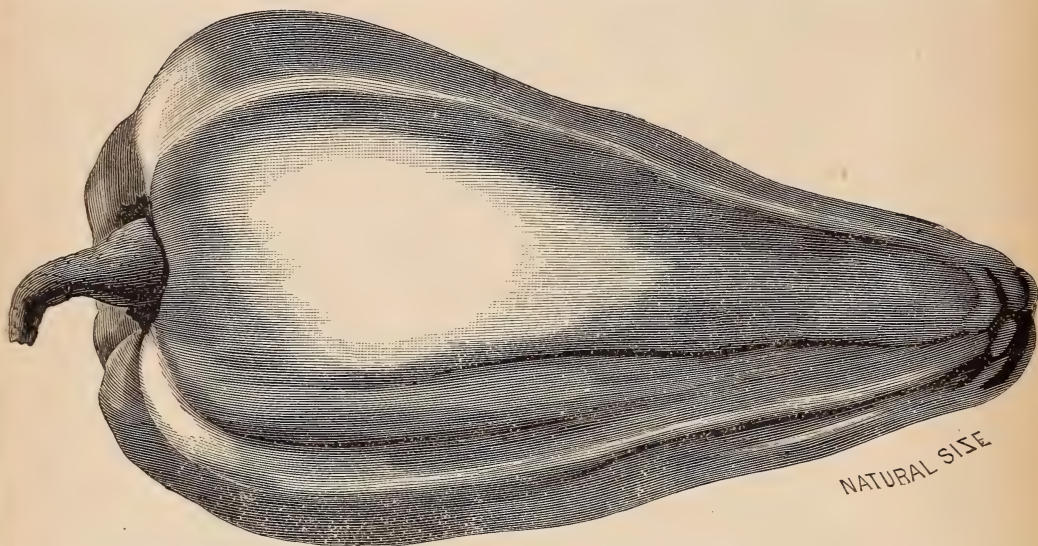
LONG CAYENNE PEPPER.

Pepper.—Continued.

	lb.	oz.		lb.	oz.
1385 New Cranberry	\$3	00	30	1397 Sweet Spanish (for Salad)	\$3 00 30
1392 Red Cherry	3	00	30	1399 Sweet Mountain (for Man-	
1395 Red Chili	4	00	40	goes)	3 00 30
1396 Yellow Chili	4	00	40		

KINDS.—Nos. 1395 and 1396 are the very small sort used for Pepper Sauce. The others are best for main crop.

CULTURE.—Sow in hot-bed in March, and when the soil has become warm set out in rows two feet apart and eighteen inches in the rows; hoe frequently, and keep down all weeds. The plants may also be forwarded in small pots.



GIANT EMPEROR PEPPER.

POTATO—POMME DE TERRE—Patata—Kartoffel.

The prices may vary as the season advances.

EARLY VARIETIES.

	Bushel.	Barrel.
1400 Beauty of Hebron. <i>Slightly flesh colored skin, with pure white flesh. The best and most popular early variety in cultivation.</i>	\$2 00	\$4 00
1401 Clark's No. 1. <i>Resembles Early Rose, but is more productive and earlier.</i> ..	2 00	4 00
1402 Rose Magnum Bonum. <i>Grows to a large size, deep eyes, of fine table quality</i> ..	2 00	4 00
1404 Rosy Morn. <i>A new edition of Early Rose Table quality very fine.</i>	2 00	4 00
1406 Early Vermont. <i>An old edition of Early Rose, not distinct</i>	2 00	4 00
1407 Mayflower. <i>Snowflake in form and quality, but much earlier. Skin russeted and netted. Very desirable.</i>	2 00	4 00
1408 Watson's Seedling. <i>Belongs to the Rose family, but more productive</i>	2 00	4 00
1409 Brownell's Best. <i>A heavy cropper, resembles Mayflower, except that the flesh is not quite so white and fine grained</i> ..	2 00	4 00
1410 Telephone. <i>Resembles the above, except that the skin is not so much netted. Table quality very fine</i>	2 00	4 00

Potatoes.—Continued.

	Bushel.	Barrel.
1411 Early Sunrise. <i>The true type of Early Rose</i>	\$2 00	\$4 00
1412 Hall's Early Peach Blow. <i>Very early and grows to a large size</i>	2 00	4 00
1414 Chicago Market. <i>Closely resembling Early Rose, but earlier, excellent quality</i>	2 00	4 00

INTERMEDIATE VARIETIES.

1416 Orange Co. White. <i>Very white flesh and skin. Excellent quality</i>	2 00	4 00
1417 Mammoth Pearl. <i>Snowy white flesh, and mammoth in growth</i>	2 00	4 00
1418 Dunmore. <i>A heavy cropper, and a desirable variety in many respects</i>	2 00	4 00
1419 Jumbo. <i>A large white variety, good quality</i>	2 00	4 00
1420 Pride of America. <i>Resembles Late Snowflake, but is early</i>	2 00	4 00
1421 Rural Blush. <i>Beautiful blush skin, flesh slightly tinged with pink. Cooks dry. A very heavy yielder</i>	2 00	4 00
1422 Jones' Prize Taker. <i>Flesh colored skin, resembles White Elephant</i>	2 50	4 50
1423 Winslow's Seedling. <i>Skin darker colored than Early Rose. Productive</i>	2 50	4 50
1424 Garfield. <i>A very valuable white variety. Skin very finely netted; giving it a beautiful appearance</i>	2 50	4 50
1425 Improved White Rose. <i>A very white variety of the Burbank family</i>	2 00	4 00
1426 White Star. <i>White flesh, fine floury texture</i>	2 00	4 00
1427 Belle. <i>Blush skin, slightly russet, fine grain</i>	2 00	4 00
1429 St. Patrick. <i>White flesh and skin</i>	2 00	4 00
1430 Vermont Champion. <i>White flesh and skin, great cropper, best quality</i>	2 00	4 00
1432 Queen of the Valley. <i>Enormous size and very productive. Exhibition sort</i>	3 00	5 00
1434 Conqueror. <i>Produces an abundant yield of large white tubers of fine quality</i>	2 00	4 00

LATE VARIETIES.

1436 Burbank Sport. <i>A California production. Is more productive than Burbank and of better quality</i>	2 00	4 00
1438 Wall's Orange. <i>An entirely distinct variety. Its flattened form and white flesh makes it especially valuable for baking</i>	2 00	4 00
1440 Late Snowflake. <i>A sport of its prototype. Is more productive and retains all the Snowflake table qualities</i>	2 00	3 00
1442 Thorburn's Late Rose. <i>Still retains a fair proportion of its old time popularity. Has lately been improved and given a new lease of life</i>	2 00	3 00
1444 American Giant. <i>The largest variety in cultivation, not a good table variety, valuable for exhibition</i>	3 00	5 00
1446 O. K. Mammoth Prolific. <i>As its name indicates is of large size, and productive</i>	2 00	4 00
1448 Alexander's No. 1. <i>Very white skin and flesh, of good quality</i>	3 00	5 00
1450 White Elephant. <i>One of our best, productive and first quality</i>	2 00	4 00

CULTURE.—In order to have the best success in growing Potatoes, and to secure a healthy, vigorous growth and a crop free from rot, it is necessary to plant as early as the ground can be got ready. Select a rich soil, and plant in rows three feet apart, and the sets one foot in the rows. To kill the young weeds, run a light steel-tooth harrow over the field lengthwise of the rows. This will allow the crop to get the start of the weeds, besides breaking up all lumps and leveling the ground ready for the cultivator. If wood ashes and plaster can be procured, sow a good dressing over the field after the potatoes are up. If a very early crop is desired, it will be necessary to sprout the potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room from four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that as soon as planted they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hot-bed two weeks before they are wanted, and then lift carefully and set out on fresh horse dung, so that the heat will cause them to start at once. If the Colorado Potato Beetle makes its appearance, the vines must be dusted with Paris Green mixed with about eighty parts of plaster, or, what is better, mix the Paris Green in water, two tablespoonfuls to a pail, and apply with a small brush or broom. Taking care to stir the mixture often, or else the Paris Green will settle at the bottom. Two or three applications during the season will usually suffice to clear off all the beetles.

PUMPKIN—POTIRON—*Calabaza*—*Große Kürbis*.

	⌔ lb.	⌔ oz.		⌔ lb.	⌔ oz.
1475 Large Cheese.....	\$0 75	10	1479 Bright Red Etampes...	\$2 00	20
1476 Early Sugar	75	10	1480 Improved Mammoth ...	3 00	30
1477 Black Negro.....	1 00	10	1483 Connecticut Field, ⌔ qt.	25 cts.	
1478 Cushaw	1 00	10	per bushel	\$5 00	

KINDS.—No. 1475 and 1479 are the best for family use. No. 1480 is very large, some specimens weighing over two hundred pounds. No. 1483 is for stock.

CULTURE.—May be planted middle of Spring, among the Indian Corn, or in the field or garden, in hills eight or ten feet apart each way, four seeds in a hill. In other respects, are cultivated in the same manner as Melons and Cucumbers. Avoid planting them near other vines.



ETAMPES PUMPKIN.

RADISH—RADIS ET RAVE—*Rabanos and Rabanitos*—*Radies und Rettig*.

	⌔ lb.	⌔ oz.		⌔ lb.	⌔ oz.
1485 French Breakfast	\$0 60	10	1515 White Summer Turnip...	\$0 75	10
1486 Earliest Roman Carmine Turnip	1 50	20	1518 White Strasburg Summer	75	10
1487 Prussian Globe-Shaped Carmine Turnip.....	1 50	20	1520 Yellow Summer Turnip	75	10
1488 Wood's Early Frame ...	75	10	1521 Golden " "	75	10
1490 Deep Scarlet Turnip...	75	10	1523 Purple " "	75	10
1492 Early " " ...	60	10	1525 Gray " "	75	10
1494 " " " <i>white tail</i> "	75	10	1528 Giant Stuttgart Summer	75	10
1495 " White Turnip...	75	10	1530 Black Spanish (Round) .	75	10
1499 Half Long Deep Scarlet	75	10	1533 Black Spanish (Long) ..	75	10
1502 White Olive-shaped....	75	10	1535 White Spanish	75	10
1505 Long Scarlet	60	10	1536 Long Grey Laon Winter	75	10
1507 Long Salmon	60	10	1537 Scarlet Chinese Winter.	75	10
1509 Long Purple.....	75	10	1539 California (Large White Winter)	1 25	15
1512 Long White Naples....	75	10	1540 Raphanus Caudatus, or Edible Pod Radish...		40

KINDS.—Nos. 1485, 1486, 1488, 1492 and 1494 are best for early sowing; Nos. 1492, 1499 and 1505 are best for succession. Nos. 1512, 1515, 1518, 1520 and 1528 for Summer sowing. Nos. 1533, 1535 and 1537 for Winter use. No. 1537 is the best sort—keeps like a Turnip.

CULTURE.—Sow as soon as the ground is dry in the Spring, in light, rich soil, in rows eight to twelve inches apart, every week or ten days for a succession, up to the middle of June, after which they are but little used, unless a cool northern spot can be had, where the ground is shaded during part of the day. Sow also in early Fall for late crops and Winter use.

RHUBARB—RHUBARBE—*Ruibarbo*—Rhabarber.

1544 Linnæus, 25 cts. p oz., \$1.50 p lb. | Roots, 10 cts. each; \$1.00 p doz.

CULTURE.—Sow seed in a cold frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frame covered during nights and cold days, so that the soil will not freeze, and in six to eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the rows. The following Spring transplant again to four or five feet apart each way, and the next Spring the stalks will be large enough to pull. When roots are set out, plant them four or five feet apart each way, and keep the weeds down. If roots are used, a crop may be secured after one season, and this is much better than sowing seeds where only a few plants for family use are needed; in the Fall the bed should have a thick dressing of coarse manure, which is to be spaded under in the Spring.

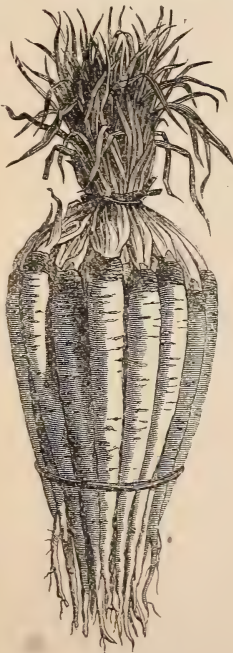
ROQUETTE.

1546 20 cents p ounce; \$1 50 p lb.

CULTURE.—Sow early in Spring, in rows, and thin out to eight or ten inches. If kept well scuffled and watered, the tart flavor of the leaves is greatly diminished. This flavor is not so pronounced in the small leaves, which are used for Salad. The flowers appearing from May to June, have very much the odor of the orange blossom.

SALSIFY, or Vegetable Oyster—SALSIFIS—*Ostion Vegetal*—*Saferwurzel*.

1548 *Long White*, p oz. 10 cents; p lb. 1.25.



SALSIFY.

CULTURE.—Sow as early as the ground can be worked in Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them clear from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces half an inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the Oyster, and hence the common name of the plant.

SAVOY—CHOU FRISE DE MILAN.

- 1552 Dalmeny Sprouts, Hybrid of Savoy
and Brussels Sprouts p oz. 40 cents.
1554 Feather Stem, a delicious vegetable “ 40 “
1556 New Tom Thumb Savoy, very fine “ 40 “

CULTURE.—Same as for Brussels Sprouts.

SCOLYMUS.1560 25 cents P oz., \$2 50 P lb.

A vegetable from Spain. The root resembles a small Parsnip, and will keep through the Winter like a Turnip. It is cultivated precisely like the Carrot, except that it should be grown in rows three feet apart and eighteen inches in the rows, and boiled like Salsify.

SCORZONERA—SCORZONERE—*Escorconera*—*Scorzionwurzel*.1561 20 cents P oz.; \$2 00 P lb.

CULTURE.—Cultivate the same as Salsify. It is cooked in the same manner, but on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to Salsify. It is also called Black Salsify.

SKIRRET—CHERVIS—*Zufterwurzel*.1562 30 cents P ounce.

CULTURE.—Sow in drills half an inch deep and a foot apart and thin out to eight inches in the row. Keep down the weeds. Take up the roots before Winter, and store in sand or earth. A plump, fleshy root, containing a quantity of sugar, and eaten like Scorzonera or Salsify.

SORREL—OSEILLE—*Acedera*—*Sauerampfer*.1564 *Garden*.....10 cents P ounce; \$1.00 P lb.

CULTURE.—Sow in Spring, in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.



LONG STANDING SPINACH.

SPINACH—EPINARDS—*Espinaca*—*Spinat*. P lb. P oz.

1566 Large Round Viroflay		
or Thick-leaved	\$0 40	10
1570 Round-Leaved	40	10
1573 Curled Leaved Savoy		
or Bloomsdale	40	10
1575 Round Flander	40	10
1577 Long Standing Round		
Thick-leaved	40	10
1577a Prickly	40	10
1578 New Zealand (Summer)	1 25	15

KINDS.—Nos. 1566, 1570, 1573 and 1577 are the best for early Spring sowing; and also for Fall and Winter in this latitude. No. 1577a is the most hardy. No. 1578 is excellent for Summer use.

CULTURE.—Sow in early Spring, in drills a foot apart, every two weeks for a succession; and as it grows, thin out for use. Keep clear of weeds. Sow the New Zealand in hills three feet apart each way, three or four seeds in a hill. This is fit for cutting all Summer. For Fall use sow in August all the other varieties, and for Winter crop in September. Cover that which is left out over Winter with straw or leaves, after the weather becomes quite cold.



SWISS CHARD.

SWISS CHARD, or SILVER BEET.

This is a Beet producing only leaves, excellent as greens. Cultivate like Spinach.

⌔ lb., 75 cents; ⌔ oz., 10 cents.

SPROUTS—CHOUX VERTS NON POMMES.

1582 Spring, or Rape, ⌔ quart, 25 cents.

1584 Winter, or Siberian Kale, ⌔ oz., 10 cents; ⌔ lb., \$0 75

CULTURE.—Sow No. 1582 very early in Spring, and No. 1584 in September.

SQUASH—COURGE—Calabaza— Rüchtfürbis.

	⌔ lb.	⌔ oz.
1588 Perfect Gem.....	\$1 00	10
1590 Early Golden Bush	75	10
1594 Early White Scallop Bush	75	10
1595 Green Striped Bergen..	75	10
1596 Summer Crook-Neck ...	1 00	10
1597 New French Olive.....	2 50	25
1598 Small Cocanut.....	1 00	10
1599 New Pine Apple.....	2 50	25
1600 Low's Premium Hybrid..	1 00	10
1601 Butman.....	1 00	10
1602 Boston Marrow.....	75	10
1603 Hubbard.....	1 00	10
1604 Ohio.....	0	0
1605 Marblehead.....	1 00	10
1609 Canada Crook-Neck....	1 00	10



SUMMER CROOK NECK SQUASH.

	⌔ lb.	⌔ oz.
1610 Turban.....	1 25	15
1616 Mammoth Chili.....	3 00	30
1618 English Veget'ble Marrow	2 00	20



PINE APPLE SQUASH.

KINDS.—Nos. 1590, 1594, and 1596 are the best sorts for early Summer use. Nos. 1599, 1602 and 1603 are the best for late Winter use. Nos. 1588 and 1599 are fine for Summer or Winter, but finest as a Winter Squash.

CULTURE.—Sow in hills, in the same manner and at the same time as Cucumbers and Melons; the bush three to four feet apart, and the running kind from six to nine.

TOMATO—TOMATE—*Tomates*—*Liebesapfel*.

	lb.	oz.		lb.	oz.
1619 King Humbert, <i>new</i>	\$8	00	75	1661 Blount's Champ. Cluster.	\$3 00 30
1619a Cardinal.....	3	00	30	1664 Hundred Days.....	3 00 30
1620 Livingston's Perfection..	3	00	30	1668 Lyman's Mam'th Cluster.	3 00 30
1621 Livingston's Favorite....	3	00	30	1674 Yellow Plum.....	3 00 30
1622 Mayflower.....	3	00	30	1677 Large Yellow.....	3 00 30
1623 Turk's Turban.....	5	00	50	1678 Improved Large Yellow,	
1624 Acme.....	3	00	30	quite solid.....	5 00 50
1625 Read's Island Beauty....	3	00	30	1680 Golden Trophy.....	3 00 30
1626 Little Gem.....	3	00	30	1683 Green Gage.....	3 00 30
1627 Essex Hybrid.....	2	50	30	1687 Red Cherry.....	4 00 40
1629 Paragon.....	3	00	30	1690 Yellow Cherry.....	3 00 30
1630 Alpha.....	3	00	30	1693 Pear Shaped.....	3 00 30
1631 Trophy, selected.....	5	00	50	1695 White Apple.....	3 00 30
1640 Valencia Cluster.....	3	00	30	1697 Red Currant, (very small).	5 00 50
1643 Conqueror.....	3	00	30	1699 Tomate de Laye.....	6 00 60
1646 Fejee Island.....	3	00	30	1700 Strawberry.....	3 00 30
1654 Hathaway's Excelsior....	3	00	30		

KINDS.—Nos. 1619, 1626, 1630 and 1643, are the earliest. Nos. 1619a, 1620, 1621, 1627 and 1631 best for main crop. Nos. 1687, 1690, 1693, 1697 and 1700 for Pickles and Preserves. Nos. 1631 and 1646 are very solid. No. 1700 is the Winter Cherry, sometimes called Strawberry Tomato; it is excellent for Preserves.

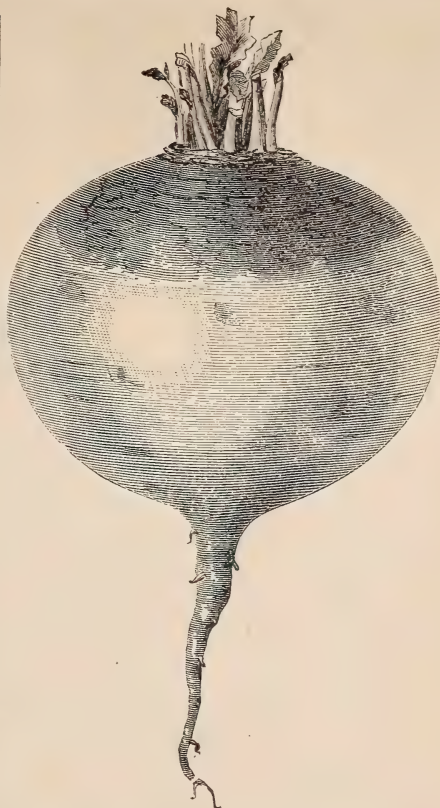
CULTURE.—Sow in hot-bed in early Spring, or the seed may be sown in shallow boxes, and placed in a window, where one does not wish to have the trouble of making a hot-bed. Transplant to the open ground when all danger of frost is past, setting the plants three or four feet apart each way. Some support should be provided for the vines to keep the fruit from touching the ground; brush, hay, or anything of the sort will answer the purpose, or they may be tied to stakes.



WHITE STRAP LEAF TURNIP.

TURNIP—NAVET—*Nabo*—Rüben.

	$\frac{3}{4}$ lb.	$\frac{3}{4}$ oz.
1701 Early Purple Top Munich	\$0 75	10
1702 White Egg	75	10
1703 Early Snowball	75	10
1704 Black Stone.	75	10
1706 Gray Stone.....	75	10
1710 Early Dutch.....	75	10
1713 German Teltow.....	75	10
1715 Cow Horn	75	10
1716 Cow Horn Strap-leaf...	50	10
1717 Red Top, Strap-leaf ...	50	10
1718 Ex. Early Red Top S.-leaf	75	10
1719 Red Top, Globe-Shaped	75	10
1721 White Norfolk	50	10
1723 White Strap-leaf Flat...	50	10
1724 White Strap-Leaf Long..	75	10
1725 White Flat or Globe....	50	10
1728 White French or Rock..	75	10
1733 Pomeranian White Globe	50	10
1737 Green Globe.....	75	10
1739 Green Barrel.....	75	10
1741 Jersey Navet (true)	75	10
1743 Long White Tankard ...	50	10
1745 Yellow Malta.....	75	10
1746 Yellow Globe	50	10
1748 Yellow Stone.....	50	10
1750 Yellow Aberdeen.....	50	10
1753 Robson's Golden Ball...	50	10
1755 Orange Jelly.....	50	10
1758 Yellow Finland	75	10
1764 Montmagny (<i>yellow flat,</i> <i>with purple top</i>).....	75	10
1766 Improved Ruta Baga....	60	10
1769 White Ruta Baga	50	10
1771 Laing's Ruta Baga.....	50	10



GLOBE SHAPED RED TOP TURNIP.

	$\frac{3}{4}$ lb.	$\frac{3}{4}$ oz.
1774 Skirving's Ruta Baga....	\$0 50	10
1776 Curly Top " "	50	10

KINDS.—Nos. 1701, 1703, 1710, 1718, and 1723 are the best for Spring sowing. Nos. 1715, 1717, 1719, 1728, 1746, and 1764 for Fall and Winter.

CULTURE.—For early Turnips, sow as soon as ground opens in Spring. Nos. 1766, to 1776 should be sown from any time in July to 1st of August; but the other kinds, for Winter use, may be sown from middle of July to end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Ruta Bagas) by cultivating in drills eighteen inches apart, and thinning to six inches in the drill. One pound to the acre.

TOBACCO SEED—*Tabac*.

	$\frac{3}{4}$ lb.	$\frac{3}{4}$ oz.		$\frac{3}{4}$ lb.	$\frac{3}{4}$ oz.
Connecticut Seed Leaf.....	\$3 50	35	Ruffled Leaf Virginia.....	\$3 50	35
Florida.....	3 50	35	Turkish	3 50	35
Imported Havana.....	5 00	50	Missouri.....	3 50	35
James River Virginia.....	3 50	35	Pennsylvania	3 50	35
Kentucky	3 50	35	Yellow Prior.....	4 00	40
Maryland	3 50	35	One Sucker Virginia.....	4 00	40
Ohio.....	3 50	35	Virginia Seed Leaf.....	4 00	40

VARIOUS KINDS OF VEGETABLES USED FOR PICKLES.

Differentes espèces de Vegetal pour Conserves.

Directions for Culture of each will be found under the proper head.

Beans, Refugee.	Nasturtium, Tall.
" Galega.	Onion, White Portugal and Queen.
Beet, Blood Turnip.	Pepper, Chili.
Sprouts, Brussels, <i>Best French</i> .	" Sweet Mountain.
Cabbage, Red Dutch.	" Giant Emperor.
Cauliflower, Early Paris.	Tomato, Green Gage.
Cucumber, Green Prolific.	" Red Cherry.
Gherkin.	" Strawberry.
Martynia.	" Yellow Cherry.

Melon, Scarlet Gem.

For prices see body of Catalogue.

VARIOUS KINDS OF VEGETABLES USED FOR SALADS.

Differentes espèces de Vegetal pour Salade.

Borage.	Corn Salad	Endive.	Pepper, Sweet Spanish.
Burnet.	Curled Cress	Lettuce.	Roquette.
Celery.	Dandelion.	Mustard.	Sorrel.
	Water Cress.		

For prices see body of Catalogue.

POT, SWEET AND MEDICINAL HERB SEEDS.

Graines d'Herbes potagères et medicinales.

	oz.	lb.
<i>Agrimony</i> .—Used in medicine.....	<i>Agrimonia officinalis</i> ... \$0 50	....
<i>Angelica, Garden</i> .—Supposed to have medicinal virtues.	<i>Archangelica officinalis</i> . 20	1 50
<i>Anise</i> .—Seeds aromatic and carminative.....	<i>Pimpinella Anisum</i> 10	75
<i>Arnica</i> .—Has medicinal qualities.....	<i>Arnica montana</i> 3 00	....
<i>Balm</i> .—" " ".....	<i>Melissa officinalis</i> 40	....
<i>Basil, Dwarf or Bush</i> .—Culinary herb.....	<i>Ocimum minimum</i> 30	3 00
<i>Basil, Sweet</i> .—Culinary herb, used for flavoring soups, &c. " basilicum.....	25	2 50
<i>Belladonna</i> .—Used in medicine.....	<i>Atropa Belladonna</i> . . . 50	5 00
<i>Bene</i> —The seeds yield a good oil. The leaves are used for dysentery and diarrhoea.....	<i>Sesamum orientale</i> 20	2 00
<i>Boneset</i> .—Has medicinal qualities.....	<i>Eupatorium perfoliatum</i> 75	....
<i>Borage</i> .—Leaves used as a salad.....	<i>Borago officinalis</i> 15	1 00
<i>Caraway</i> .—Seed aromatic.....	<i>Carum Carui</i> 10	75
<i>Catnip</i> .—Has medicinal qualities.....	<i>Nepeta cataria</i> 50	5 00
<i>Coriander</i> .—Seed aromatic.....	<i>Coriandrum sativum</i> 20	1 00
<i>Dandelion</i> .—Has medicinal qualities. Also a good spring "greens," used like Spinach.....	<i>Taraxacum Dens-leonis</i> . 20	2 00
<i>Dill</i> .—Seeds aromatic, pungent, and medicinal.	<i>Anethum graveolens</i> 15	1 00
<i>Elecampane</i> .—Has tonic and expectorant qualities....	<i>Inula Helenium</i> 50	5 00
<i>Fennell, Sweet</i> .—Seeds aromatic.....	<i>Anethum Feniculum</i> ... 15	1 00
<i>Foxglove, Purple</i> .—Has medicinal qualities.....	<i>Digitalis purpurea</i> 25	2 00
<i>Fumitory</i> .—" " ".....	<i>Fumaria officinalis</i> 40	4 00
<i>Hellebore, White</i> " " ".....	<i>Veratrum album</i> 3 00	....

Pot, Sweet and Medicinal Herb Seeds—Continued.

		oz.	lb.
<i>Hemlock</i> .—Has medicinal qualities.....	<i>Conium maculatum</i>	\$0 40	\$4 00
<i>Henbane</i> .— “ “ “	<i>Hyoscyamus niger</i>	25	2 50
<i>Horehound</i> .— “ “ “	<i>Marrubium vulgare</i>	40	4 00
<i>Hyssop</i> .— “ “ “	<i>Hyssopus officinalis</i>	30	3 00
<i>Lavender</i> .—The oil and distilled water are very fragrant.	<i>Lavandula vera</i>	30	3 00
<i>Liquorice</i> .—Used in medicine as a pectoral.....	<i>Glycyrrhiza glabra</i>	30	3 00
<i>Lithospermum officinale</i>		40	4 00
<i>Loxage</i> .—Has medicinal qualities.....	<i>Levisticum officinale</i> ..	40	4 00
<i>Marshmallow</i> .— “ “ “	<i>Althæa officinalis</i>	30	3 00
<i>Marigold, Pot</i> .—Used in soups.....	<i>Calendula officinalis</i>	20	2 00
<i>Marjorum, Pot</i> .—Used as seasoning.....	<i>Origanum Onites</i>	40	4 00
“ “ “ “ Sweet.— “ “ “	<i>Marjorana</i>	20	2 00
<i>Pæonia officinalis</i> .—Said to have medicinal qualities.....		30	3 00
<i>Pennyroyal</i> .—Has medicinal qualities.....	<i>Hedeoma pulegioides</i>	60	9 00
<i>Rosemary</i> .—Yields an aromatic oil and water.....	<i>Rosmarinus officinalis</i> ..	50	5 00
<i>Rue</i> .—Said to have medicinal qualities.....	<i>Ruta graveolens</i>	20	2 00
<i>Saffron</i> .—Used in medicine and also in dying.....	<i>Carthamus tinctorius</i> ..	15	1 50
<i>Sage, Common</i> .—Used as a culinary herb, and also in medicine.....	<i>Salvia officinalis</i>	25	2 50
“ “ <i>Red</i> .—Used as a culinary herb, and also in medicine “	<i>Horminum</i>	40	4 00
<i>Savory, Summer</i> .—Used as a culinary herb.....	<i>Satureja hortensis</i>	20	1 50
“ “ <i>Winter</i> .— “ “ “ “	<i>montana</i>	40	4 00
<i>Tansy</i> .—Generally used as a bitters.....	<i>Tanacetum vulgare</i>	40	4 00
<i>Thyme, Broad-Leaved English</i> .—Used as a seasoning.....		50	5 00
“ “ <i>French</i>	<i>Thymus vulgaris</i>	50	5 00
<i>Wormwood</i> .—Has medicinal qualities.	<i>Artemisia Absinthium</i> ..	30	3 00

FRUIT SEEDS.—Graines d'Arbres Fruitières.

Apple Seed.. ℥ bushel \$6.00.. ℥ qt. \$0 25	Pear Seed.... ℥ lb., \$2.00.... ℥ oz.	\$0 25
Apricot Pits..... ℥ lb. 40	Plum Pits, Green Gage..... ℥ lb.	20
Cherry Pits, Mahaleb..... “ 40	“ “ Damas, for grafting. “	30
“ “ Black Mazzard... “ 30	“ “ Myrobalon “ “	30
Nectarine Pits..... ℥ 100 2 00	Quince Seed.. ℥ lb., \$2.00.... ℥ oz.	20
Currant, Red Dutch..... ℥ oz. 25	Raspberry Seed..... “	30
“ White Dutch..... “ 25	Strawberry, Mixed..... “	50
“ Black..... “ 30	“ “ Red Alpine..... “	60
“ Cherry..... “ 30	“ “ Red Bush Alpine... “	1 50
Gooseberry Seed, Red & Yellow “ 75	“ “ in 12 distinct sorts. /	1 00
Peach Pits.. ℥ bushel \$1.50.... ℥ qt. 10		

FOR HEDGES.—Graines d'Arbustes pour les Haies.

<i>Arbor Vitæ, American</i>	<i>Thuja occidentalis</i>	℥ lb. \$4 00
<i>Barberry, (clean seed)</i>	<i>Berberis vulgaris</i>	“ 1 50
“ “ purple-leaved.....	“ folio purpureo.....	“ 4 00
<i>Buckthorn</i>	<i>Rhamnus catharticus</i>	“ 2 00
<i>Hawthorn</i>	<i>Cratægus Oxycantha</i>	“ 1 50
<i>Locust, Honey, or Three-Thorned Acacia</i>	<i>Gleditschia triacanthos</i>	“ 50
<i>Locust, Yellow</i>	<i>Robinia Pseudacacia</i>	“ 50
<i>Osage Orange</i>	<i>Maclura aurantiaca</i> , ℥ bus. \$7..	“ 50
<i>Privet, Japan</i>	<i>Ligustrum Japonicum</i>	“ 1 50
“ common Evergreen.....	“ vulgare.....	“ 1 50
<i>Sheep Berry</i>	<i>Viburnum prunifolium</i>	“ 2 00

GRASS SEEDS.

The best means of improving Meadows, Pastures and Lawns, is to sow a sufficient variety of Grass Seeds, and we trust our numerous customers will give some of the kinds a trial in connection with Timothy, which, by many, is believed to be about the only Grass to be sown.

- Agrostis canina**, *Rhode Island Bent Grass*.—A valuable grass for lawns. For lawns, sow three to four bushels to the acre; for pastures, one to one and a half bushels. See "Formation of Lawns." (12 lbs. to bus.)..... \pounds qt. 25 cents, \pounds bus. \$3 00
- Agrostis stolonifera**, (*Florin*), or *Creeping Bent Grass*.—Valuable as a mixture with other pasture grasses, as it will thrive in moderately moist land on which water does not stagnate. We find it also the best sort for croquet grounds, and small door yards or grass plats. Same quantity as the preceding. (15 lbs. to bus.) \pounds qt. 25 cents, \pounds bus. \$3.00
- Agrostis vulgaris**, or *Red Top Grass*.—A valuable permanent grass as a mixture in either meadows, pastures, or lawns, growing in almost any soil, moist or dry, and standing well our hot climate. Same quantity as above. (14 lbs. to bus.)..... \pounds bus. 1.25
- Fancy Heavy Red Top Grass**, absolutely clean seed..... \pounds lb. 20 cents.
- Aira cæspitosa**, or *Hassock Grass*.—A coarse grass, preferring stiff and marshy bottoms, and thriving well in moist and shady woodlands. In England, door-mats are formed of it by the rural cottagers. 30 lbs. to the acre..... \pounds lb. 18 cents.
- Aira flexuosa**, or *Wood Hair Grass*.—Delights on high and rocky hills; is of little agricultural value except for sheep pastures. 30 lbs. to the acre..... \pounds lb. 18 cents.
- Alopecurus pratensis**, or *Meadow Foxtail*.—One of the very best grasses for permanent pasture, and thrives to perfection on lands of an intermediate quality as to moisture and dryness. It also stands the high Summer heats without burning. 25 lbs. to the acre. \pounds lb. 35 cents.
- Alopecurus agrestis**, *Slender Foxtail*.—An annual late flowering grass. 20 lbs. to the acre. \pounds lb. 20 cents.
- Ammophila arenaria**, or *Beach Grass*.—Valuable on the sandy sea shore, canal banks, &c. It serves, with its tough, widespread, and thickly matting roots, to form natural and permanent embankments. Is of no other agricultural value..... \pounds lb. 50 cents.
- Anthoxanthum odoratum**, or *Sweet Vernal Grass*.—For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also continuing to throw up root foliage until late in the Autumn. For meadows its chief merits are its fragrant odor, which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment rather than as a grass of much nutritive value. 25 lbs. to the acre..... \pounds lb. 50 cents.
- " **True Perennial Sweet Vernal Grass**..... \pounds lb. 70 cents.
- Avena elatior**, or *Tall Meadow Oat Grass*.—Most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. 5 bushels to the acre, (13 lbs to bus.)..... \pounds bus. \$3.00
- Avena flavescens**, or *Yellow Oat Grass*.—Will not thrive well when sown alone, but with other species, such as Crested Dogtail, Sweet Vernal, &c., it becomes desirable for dry meadows and pastures. 4 bushels to the acre..... \pounds lb. 70 cents.
- Bromus pratensis**, *Meadow Brome Grass*.—Suitable in mixtures for high and dry meadows. 30 lbs. to the acre..... \pounds lb. 20 cents.
- Bromus mollis**, *Soft Chess*.—Suited to sandy land..... \pounds lb. 20 cents.
- Bromus Schraderi**, or *Rescue Grass*.—Thrives in any soil, but prefers that which is wet, or moist. In England four or five green crops are cut in a year; and every time it is cut another crop shoots from the roots. All kinds of stock eat it freely. 35 lbs. to the acre..... \pounds lb. 30 cents.
- Cynosurus cristatus**, or *Crested Dogtail*.—A valuable grass for sheep pastures, on dry, hard soil and hills. It also belongs to the family of Lawn Grasses. 25 lbs. to the acre. \pounds lb. 45 cents.

- Dactylis glomerata**, or *Orchard Grass*.—Less exhausting to the soil than Timothy, and will endure considerable shade. It blossoms about the same time as Red Clover, making it on that account a desirable mixture with that plant; it is exceedingly palatable to stock of all kinds, and its powers of enduring the cropping of cattle commend it as one of the very best pasture grasses, 3 bushels to the acre. (14 lbs. to bus.) ₧ bus. \$2.00
- Festuca duriuscula**, or *Hard Fescue*.—Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making it a desirable pasture variety. Thirty lbs. to the acre..... ₧ lb. 20 cents.
- Festuca elatior**, or *Tall Fescue*.—Succeeds best in moist, alluvial and strong clay soils, in shady ravines, and on moist rocky sea-coasts, it is a fortnight later in ripening than *F. pratensis*. Forty lbs. to the acre..... ₧ lb. 35 cents.
- Festuca heterophylla**, or *Various-leaved Fescue*.—A very early grass, native of Germany. A valuable sort for permanent meadows and pastures on high ground. Forty lbs. to the acre..... ₧ lb. 25 cents.
- Festuca loliacea**, or *Spiked Fescue*.—Possesses all the valuable qualities of Rye Grass, and its produce is said to be larger. Thrives best in low meadows and pastures; it starts very early in the season. Forty lbs. to the acre..... ₧ lb. 25 cents.
- Festuca ovina**, or *Sheep's Fescue*.—Grows freely when in high, dry and open pastures. Its chief merit for sheep pasture is that it occupies land which better grasses refuse. Thirty lbs. to the acre..... ₧ lb. 20 cents.
- Festuca pratensis**, or *Meadow Fescue*.—A highly valuable species for permanent grass land. It does not, however, attain to its full productive power till the second or third year when it far exceeds most other sorts in the quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture. Forty lbs. to the acre..... ₧ lb. 20 cents.
- Festuca rubra**, or *Red Fescue*.—The essential distinction of this Fescue is its creeping roots, which, in dry and sandy soils, are often as strong as those of the common Couch Grass. Well adapted for gravelly banks and dry slopes. Twenty-five lbs. to the acre..... ₧ lb. \$1 00
- Festuca tenuifolia**, or *Slender Fescue*.—Flourishes well on dry and sterile soils. It is well suited for large bleaching greens, lawns, etc. Thirty lbs. to the acre..... ₧ lb. 30 cents.
- Holcus lanatus**, or *Meadow Soft Grass*.—Inferior to many other sorts, but has the merit of easy culture, and accommodates itself to all descriptions of soils, from the richest to the poorest. Four bushels to the acre (7 lbs. to bus.)..... ₧ bus. \$1 25
- Lolium Italicum**, or *Italian Rye Grass*.—One of the most valuable grasses in Europe, being equally suited to all climates. In England it is considered the best known grass to cut green for soiling, affording repeated large and nutritive crops. We recommend it here for use in pasture mixtures. Three bushels to the acre (18 lbs. to bus.) ₧ bus. \$2 00
- Lolium perenne**, or *English Rye Grass*.—Is the staple grass of Great Britain, entering largely into the composition of many of the richest meadows and pastures. Its natural adaptation to almost all cultivated soils, and its early maturity is the reason it has hitherto been so extensively cultivated in preference to many other equally nutritious sorts. Three bushels to the acre (24 lbs. to bus.)..... ₧ bus. \$2 00
- Onobrychis sativa**, or *Sainfoin*.—A perennial leguminous plant, belonging to the same family as Clover and Lucern, used extensively in France as a Forage plant. Requires a calcareous soil. Four bushels to the acre. A bushel weighs about 26 lbs.
₧ bus. \$3 50 ; ₧ lb. 25 cents.
- Panicum Germanicum**, or *Hungarian Grass*.—One of the most valuable annual soiling plants. It will grow in any ordinary soil, withstands drought well, and in this latitude may be sown as late as the first of July, and produce a large green crop. One and half bushels to the acre (48 lbs. to bus.)..... ₧ bus. \$1 50
- Phalaris arundinacea**, or *Reed Canary Grass*.—Grows well by the side of rivers, alluvial marshes, ditches, etc. Twenty-five lbs. to the acre..... ₧ lb. 40 cents.

- Phleum pratense, or Timothy.**—A grass so well known needs no description, except that, for a hay crop on moist, peaty, or clay soil, it will produce a larger crop than any other sort. It is not so well suited for light, sandy soils. One-half bushel to the acre.
Price variable.
- Poa aquatica, or Water Meadow Grass.**—This is an excellent pasture grass for very wet situations. Twenty lbs. to the acre..... $\frac{1}{2}$ lb. 35 cents.
- Poa nemoralis or Wood Meadow Grass**—the early growth of this grass in the Spring, and its remarkably fine succulent and nutritive herbage, recommend it strongly for pastures. Thrives well under close feeding. Thirty lbs. to the acre..... $\frac{1}{2}$ lb. 35 cents.
- Poa pratensis, or Blue Grass (Fancy triple—Clean).**—It is also known as *Green Grass, June Grass*, &c., and thrives on a variety of soils (but does best in dry and somewhat shady locations). It requires several years to become well established in the ground as a pasture grass. Very valuable for our Southern States, as it will stand the hottest Summers. One and half bushels to the acre. It is also a most valuable grass for the Lawn; for which purpose, from three to four bushels of clean seed to the acre should be sown. (14 lbs. to bus.)..... $\frac{1}{2}$ bus. \$2 00
- Poa trivialis, or Rough Stalked Meadow Grass.**—The superior product of this grass over many other species, its highly nutritive qualities, and the marked partiality which oxen, horses, and sheep have for it, are merits which distinguish it as one of the most valuable of those grasses which affect moist, rich soils, and sheltered situations. Twenty lbs. to the acre..... $\frac{1}{2}$ lb. 30 cents.
- Reana luxurians, (Teosinte).**—A valuable fodder plant from Central America, resembling, in growth Indian Corn. Well adapted for all of our Southern States. $\frac{1}{2}$ lb. \$2. 00
- Fine Mixed Lawn Grass**, for lawns of any extent. We recommend this mixture sown from three to four bushels to the acre (15 lbs. to bus.)..... $\frac{1}{2}$ bus. \$3.50
- French Mixed Lawn Grass.**—For Croquet grounds, grass plats, &c., this mixture is recommended to be sown from three to four bushels to the acre (15 lbs. to bus.)
 $\frac{1}{2}$ quart, 25 cents; $\frac{1}{2}$ bus. \$4.50
- Bermuda Grass.**—The true variety of the Southern Bermuda Grass. From eight to ten pounds per acre..... $\frac{1}{2}$ lb. \$1.50

FORMATION OF LAWNS FROM SEEDS.

In the first place see that your ground is thoroughly drained and well prepared, sowing at least three bushels of seed to the acre.

Perhaps the best description of soil for a lawn is the stiff loam or clayey soils which predominate in so many districts. This ought not to be by any means too rich, as a rapid growth is not wanted in the grasses of a lawn; but in preparing it for laying down, let the surface be as much alike in quality as possible, and do not stint the quantity of seed. A little white Clover is a useful addition to the seed. A very stiff clay is no better than a very dry sand for resisting drought, as it is in a measure sealed up against the insertion of roots, and the surface contracting by the withdrawal of moisture, it is liable to crack, etc., to a great depth. Nevertheless, a stiff soil usually makes the best lawn.

If your ground is in condition to raise a good crop of potatoes, it will make a good lawn, adding about half a ton of Bone Dust to the acre, harrowed in before sowing the seed. The success of establishing a good lawn depends much on the season and the condition of the ground at the time of sowing. A very slight raking in will protect the seed much, or a sowing of wood ashes will render them distasteful to birds. Rolling, however, is at all times indispensable.

The best time to sow Lawn Grass Seed is early in the Spring, or about the latter part of August. We prefer the Early Spring.

One important thing ought not to be forgotten in the preparation of the ground. Let it all have a surface of about six inches alike, for nothing looks worse than to see a lawn grow all in patches. One exception, however, may be mentioned, and that is, if there be any steep slopes facing the south, or other exposed places, let the earth on them be better and deeper than on the ground level, for the aspect, and other causes, render such places liable to burn with less sun than level places. They ought, therefore, to be of a better material, and sod ought to be provided to lay there if accuracy be expected. When the grass becomes well established, it should be frequently cut. The oftener you mow, the finer your grass will be.

It is proper here to observe that no lawn can be maintained long in good order without successive rollings. Mowing alone will not secure a good bottom without that compression which the roller tends to give. The rolling should be done in the spring before the ground becomes dry.

CLOVERS.

- Alfalfa** (Lucerne).—This is the same as Lucerne. It requires a deep, rich soil, and in such will produce several crops every season, one of the best green fodder plants. Ten to fifteen lbs., to the acre..... ₤ lb. 25 cents.
- Alsike Clover**, *Trifolium hybridum*. Resembles in growth, duration, &c., the Red Clover, thrives well in cold, wet and stiff soils. Ten lbs. to the acre..... ₤ lb. 35 cents.
- Bokhara Clover**, *Melilotus alba*.—A most valuable sort for soiling. It grows from three to five feet high and if sown in rich soil, may be cut three times during the Summer and Fall; lasts two years, or more if cut before flowering although an annual. Ten lbs. to the acre..... ₤ lb. 50 cents.
- Crimson Clover**, *Trifolium incarnatum*.—An annual with rich crimson flowers. Sown at the last of Summer or early Autumn, it furnishes a very early green fodder; excellent for soiling. 20 lbs. to the acre..... ₤ lb. 18 cents.
- Large Red, or Pea-Vine Clover**, *Trifolium pratense* variety for plowing under. Price variable.
- Medium Red Clover**, *Trifolium pratense*. Is a perennial, but of very few years duration, is considered the most nutritious of all species and most valuable in moist locations. Price variable.
- Perennial Clover, or English Cow Grass**.—Extensively used in England, ten to fifteen lbs. to the acre..... ₤ lb. 25 cents.
- White Clover**, *Trifolium repens*. Valuable for lawns and pastures..... ₤ lb. 35 cents.
- Yellow Trefoil**, *Medicago lupulina*.—May be cultivated either alone or with other grasses. Requires about the same treatment and soil as Clover. Although thriving in dry and inferior soils. It sprouts very early in Spring, is of excellent quality, and considered a fine pasture for Sheep. Fifteen lbs. to the acre..... ₤ lb. 20 cents.

BIRD SEEDS, &c.

GRAINES POUR LES OISEAUX.

Prices variable—By the Quart or Bushel.

- Canary**, *Phalaris Canariensis*..... ₤ bushel \$3 00, ₤ qt. 20 cents.
- Hemp**, *Cannabis sativa*..... “ 2 50, “ 20 “
- Lettuce Seed**..... ₤ oz., 10 cents, ₤ lb. 40 “
- Maw** (Blue Poppy), *Papaver Rhœas*..... “ 20 “
- Millet** (American), *Panicum miliaceum*..... ₤ qt. 20 “
- “ (White French)..... “ 30 “
- “ (Red French)..... “ 30 “
- “ (Yellow German)..... “ 20 “
- Rape** (English), *Brassica Napus*..... “ 20 “
- “ (German), “ “..... “ 20 “
- Rough Rice**, *Oryza sativa*..... “ 20 “

Prepared Food for Mocking Birds, ₤ bottle, 35 cents.

Gravel for Cages, ₤ quart, 6 cents.

Esculent Roots and Plants.

Plantes et Racines Potageres.

- Asparagus Roots**, Conover's Colossal (two years old)..... ₤ 100, \$1 00; ₤ 1,000, \$8 00
- Chive Plants**..... ₤ bunch, 25
- Discorea Batatas**, or Chinese Yam..... each, 15 cents; ₤ dozen, 1 50
- Horse-radish Roots**..... ₤ 100, \$1 00; “ 25
- Jerusalem Artichoke**..... ₤ bushel, \$3 50; ₤ qt. 25
- Rhubarb Roots**..... each, 10 cents; ₤ dozen, 1 00
- Sea Kale Roots** (strong)..... “ 1 25
- Tarragon Plants** (ESTRAGON)..... each, 30 cents; “ 3 00
- Prickly Comfrey Sets**..... ₤ lb. 50
- Chufas or Earth Almond**..... “ 40

MISCELLANEOUS ARTICLES.

Woodason Bellows Large Atomizers for Liquids.....	each, \$2 00
“ “ “ Insect Powder Hellebore Dusters or Slug Shot	each from \$1 00 to 3 50
Automatic Valve Sprinklers.....	each, 1 00
Archangel Mats.....	each, 75 cents; p doz. 7 00
Petersburg “.....	“ 60 “ “ 5 00
Cuba Bast (for tying).....	p lb. 40
Raffea (for tying).....	“ 40
Deodorized Floralis.....	in 2 lb. tins, 75
Garden Pencils.....	each, 10
Painted Flower Sticks, assorted sizes, 2, 2½, 3, 4 & 5 feet.....	p running foot, 02
“ “ “ Southern natural canes, from 8 to 12 feet long	p 100 \$1.50
Gishurst Compoud.....	p box, 75
Goulding's Horticultural Manure, in boxes.....	each, 50
Grafting Wax.....	p lb. 40
“ Liquid, Swiss Alpine.....	p jar, 1 00
Labels, Painted Wood, for pots 4 in. 15 cts.; 4½ in. 15 cts.; 5 in. 20 cts., and 6 in. 20 cts.	p 100
“ Notched for trees 3½ inches, 15 cents	p 100; 75 cents p 1000.
Phytosmegma—compound for destroying “Scale,” Mealy Bug, etc. (in bottles) .	each 50
Robinson's Concentrated Garden Manure, in tin cans.....	“ 50
Round Scotch Scythe Stones.....	“ 20
Whale Oil Soap, in boxes of 2 lbs. 30c.; 5 lbs. 70c.; 10 lbs. \$1.00; 20 lbs. \$1.75.	
Hyacinth Glasses—various styles, from \$1.50 to \$4.00 per dozen.	
Strictly Pure Paris Green, in tin cans of 1 lb. 35c.; 2 lbs. 65c.; 5 lbs. \$1.50.	
Slug Shot—one of the best insecticides for the destruction of the Potato bugs, slugs, currant worm, &c., should be used with the large size Woodason Bellows, 5 lbs. packages 30 cents; 10 lbs. packages 50 cents; in bulk \$4.50 per 100 lbs.	

MISCELLANEOUS SEEDS.

Asperula odorata (Waldmeister).—This celebrated perennial plant, growing about six inches high, bears a small white and very fragrant flower; succeeds in almost any soil. In Germany it is thought much of as imparting a certain bouquet to Rhine Wine when compounded with it, making a beverage commonly known as <i>Maitrank</i> .	
.....	p pkt. 10 cents.
Beans (common Horse Beans).....	p 100 lbs., \$8.00. p lb. 10 cents.
“ <i>Soja hispida</i> (Soja Bean).—Resembling a bean, the haulm is stiff and the pods are produced in clusters of from two to five, and contain each four smooth oval nankeen colored seeds. This plant is said to thrive well in hot and dry weather.	p 100 lbs. \$15.00. p lb. 20 cents.
Broom Corn (Long Brush Evergreen).—Broom Corn succeeds in a good deep soil, fresh but not damp. Very sensitive to cold.....	p bush. \$3.00 p qt. 25 cents.
“ (Improved Dwarf).....	“ 5.00 “ 25 “
“ (California Golden Long Brush).—Grows from 12 to 14 ft. high.....	“ 5.00 “ 25 “
Buckwheat, <i>Fine Silver Hull</i> (48 lbs. to bush.).....	\$1 50
Caper Tree, <i>Capparis spinosa</i>	p paper, 25
Caterpillars.—A curious, though by no means an ornamental plant. Of interest only on account of its curious fruit, from which its name is derived. Much fun is caused by mixing them in salads.....	p paper, 10 cents.

Miscellaneous Seeds—Continued.

- Chicory Seed.**—Large rooted, a perennial plant, remaining five or six years in the same soil, provided it is cut before flowering. It may be cut four or five times during the same season, and furnishes an excellent green fodder. Sow broadcast in Autumn or Spring, either alone or with any kind of Clover. Sown in drills, the roots become well developed. When they are dried, roasted, and ground, they become the Chicory of commerce, and are used in adulterating Coffee. ℥ oz. 10 cents; ℥ lb. \$1 00
- Cotton, Sea Island.** ℥ 100 lbs., \$10. ℥ lb. 15 cents.
 “ Tennessee Upland “ “ 10. “ 15 “
- Dhoura** (Guinea Corn) See Sorghum.
- Esparto Grass** (*Stipa tenacissima*).—The *Stipa tenacissima* is the true Esparto Grass extensively grown in Spain and other parts of the Mediterranean countries for making ropes, etc. ℥ oz. \$1 50
- Fenugreek.**—An annual plant, and very fragrant; of but little use, though, as fodder. The seed is often sought by hostlers to give a temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for soiling when green. . . . ℥ lb. 75 cents.
- Flax Seed.** ℥ qt. 25 cents.
- Hop Seed.** ℥ oz. \$1 00
- Indigo Seed, Indigofera tinctoria.** ℥ lb. \$3.00; ℥ oz. 30 cents.
- Jute Seed.**—An annual plant. In Bengal the fibers of this plant are used for making the coarse sacks in which coffee and sugar are packed. A coarse kind of wearing apparel is also made of it. It is cultivated quite extensively in the East Indies, China and Japan, and is now extensively sown in our Southern States. It thrives in any good corn ground. Sow in drills about eight inches apart, four pounds to the acre. Requires *no* cultivation, as it will outstrip in growth any and all weeds. May also be sown broadcast, from six or seven pounds to the acre. . . . ℥ oz 20 cents.
 ℥ lb. \$1 25
- Lupins, Blue.**—Used for about the same purposes as the yellow variety; but, as yet, not so popular. ℥ 100 lbs. \$10.00, ℥ lb. 20 cents.
- Lupins, White.**—One of the best plants known for soiling. It may be sown from April to July, and plowed under when in flower. The seed when burned is an excellent manure for orange and olive trees. ℥ 100 lbs. \$12.00, ℥ lb. 20 cents.
- Lupins, Yellow.**—Less thrifty than the white variety, but still having an advantage over it in remaining green for a longer period. It succeeds well in the poorest soil; and many lands formerly poor have had their value greatly enhanced by plowing in this Lupin as a manure. ℥ 100 lbs. \$10.00, ℥ lb. 20 cents.
- Madder** (*Rubia tinctoria*).—A perennial plant, the roots of which, when dried and reduced to powder, furnish a red coloring matter. If cut the second year when in flower, it furnishes a very good green fodder. ℥ lb., 75 cents.
- Osage Orange** (*Maclura aurantiaca*). ℥ qt., 50 cents; ℥ bus., \$7 00
- Pearl Millet** (*Penicillaria spicata*).—A valuable fodder plant for the South. Sow in drills eighteen inches apart, and eight to ten pounds to the acre. ℥ lb. 30 cents.
- Poppy, Opium.**—Its seed furnishes about 35% of an agreeable sweet oil, good for eating, painting, and illuminating. May be sown in Spring, either broadcast or in drills, covering with but little earth. It is also cultivated for Opium. ℥ oz., 25 cents; ℥ lb., \$1 50
- Ramie** (*Urtica tenacissima*).—A perennial plant producing a very fine thread called “Tschou ma.” The Chinese make a fine soft cloth of it, called A-poo or Summer-cloth. It requires a deep, rich soil, and succeeds best in the South. ℥ oz., \$1 50
 “ *Urtica nivea*.—Silvery China Grass. ℥ oz., \$1 00
- Reana luxurians** (*Teosinte*).—A valuable fodder plant from Central America, resembling in growth, Indian Corn. Well adapted for all of our Southern States. . . . ℥ lb., \$2 00
 ℥ oz., 25 cents.

Miscellaneous Seeds—Continued.

- Scurvy Grass**—used as Pepper Grass. $\frac{1}{2}$ oz., 25 cents.
- Seradella**—A fine fodder, of good quality, admitting of one, and sometimes two cuttings in one season. It succeeds well in a dry, sandy soil, and furnishes a good pasture for sheep. $\frac{1}{2}$ lb., 40 cents.
- Snails**—Used the same as Caterpillars. $\frac{1}{2}$ paper, 10 cents.
- Sorghum**—Rural branching, (also called "millo maize" in some sections). This differs from all other Sorghums. Its great merit and distinction is, that when cut for feeding it starts again from the remaining stumps with renewed strength and vigor, thrives in the hottest and driest localities. $\frac{1}{2}$ 100 lbs. \$15. $\frac{1}{2}$ lb., 25 cents.
- " White seeded, Dhoura or Guinea Corn. " 20. $\frac{1}{2}$ lb., 25 cents.
- " Amber Sugar Can. " 8. $\frac{1}{2}$ lb., 15 cents.
- " Honduras " " 12. $\frac{1}{2}$ lb., 15 cents.
- " Stewart's Hybrid. " 12. $\frac{1}{2}$ lb., 15 cents.
- " Chinese " " 15. $\frac{1}{2}$ lb., 25 cents.
- " Red Imphee. " 12. $\frac{1}{2}$ lb., 15 cents.
- " Halepense (Johnson Grass) one of our most valuable southern fodder plants and only recently discovered to be perfectly hardy in New Jersey. It is a rapid growing perennial. On rich soils it may be cut from three to four times in a season. The best results are obtained by sowing the seed in August and September at the rate of 25 lbs. to the acre. $\frac{1}{2}$ 100 lbs. \$18 00; $\frac{1}{2}$ lb. 25 cents.
- Spurry** (*Spergula arvensis*)—Small annual plant, succeeding best in fresh sandy soil. It can be used in a green state, or for hay. Butter made from the milk of cows fed on this is considered of a superior quality in Belgium and Holland. It serves a useful purpose, growing luxuriantly on indifferent land. Should be sown from March to May, 15 lbs. to the acre. $\frac{1}{2}$ 100 lbs. \$15. $\frac{1}{2}$ lb., 20 cents.
- Sun Flower**, Large Russian. $\frac{1}{2}$ qt., 25 cents; $\frac{1}{2}$ bushel, \$5 00
- Teasels**, Fuller's—The heads, furnished with sharp, barbed spikes, are used for combing cloth. They require a good deep soil, and should be sown about April or May. In the South they may be sown in the Fall. The young leaves are often used for feeding silkworms. $\frac{1}{2}$ 100 lbs. \$15. $\frac{1}{2}$ lb., 20 cents.
- Vetches**, Spring—Sown broadcast like Wheat or Barley, and sometimes mixed with Oats for soiling. Used in France and Canada as a substitute for Peas. Also ground up into Flour, after which it is mixed with Wheat Flour for making bread. $\frac{1}{2}$ bushel, \$3.50; $\frac{1}{2}$ qt., 25 cents.
- Wild Rice** (*Zizania aquatica*)—A native of our Northern and Western States. Valuable as a forage plant for swamps and inundated land. Stock of all description are fond of it when green, and also when cured for fodder. $\frac{1}{2}$ lb., 35 cents.
- Worms**—Used the same as Snails and Caterpillars. $\frac{1}{2}$ paper, 10 cents.

HORTICULTURAL IMPLEMENTS.

AMES' BEST C. S. BRIGHT SHOVELS.—Long and short handled . . .		\$1 50
AMES' C. S. BRIGHT SPADES.—Long and short handled.		1 50
ASPARAGUS KNIVES.	\$1 00 @	2 00
AVARANCATORS, or POLE PRUNING SHEARS.		2 75
BEST SPADING FORKS.	1 00 @	1 50
BRUSH HOOKS and BRUSH SCYTHES.		2 00
CAST STEEL GARDEN RAKES WITH HANDLES.	1 00 @	2 00
CAST STEEL PRUNING CHISEL.	1 50 @	2 00
CHILDREN'S AND LADIES' SETS OF GARDEN TOOLS.	2 50 @	4 00
CORN HOES.	50 @	75
CORN KNIVES.		50
DUTCH, or PUSH HOES.—(Cast steel) from 2 to 10 inches.	40 @	2 00
" " (German steel) from 3 to 10 inches.	35 @	1 50
AMERICAN CRESCENT SCUFFLE HOE, handled.		75
ENGLISH BILL HOOKS.—For pruning with one hand.	1 75 @	3 00
ENGLISH PATENT C. S. LAWN SCYTHES.	2 00 @	2 75
EXCELSIOR WEEDING HOOK.		25

Horticultural Implements.—Continued.

FLOWER GATHERERS.—For cutting and holding the flower.....	\$1 25 @	\$2 00
GARDEN REELS.—Various sizes and patterns.....	1 00 @	2 00
GRASS BORDER SHEARS.—For cutting Grass Borders.....	3 50 @	4 50
GRASS EDGING KNIVES.....	2 00 @	2 50
GRASS HOOKS, or SICKLES.—Three sizes.....	60 @	1 00
GREEN-HOUSE SYRINGES.—(Brass) Pool's best make.....	4 00 @	11 00
HAND LAWN MOWERS.....	14 00 @	25 00
HEDGE SHEARS.—Six sizes and styles.....	2 00 @	5 00
LADIES' FLORAL SETS.....		75
LADIES' SHORT-HANDLED GARDEN FORKS.....	50 @	1 00
LAWN RAKES.—To cut off the flower heads or buds of Daisies, etc., on lawns.....	3 00 @	4 00
PERFECTION REVOLVING LAWN SPRINKLERS.....		1 25
POTATO HOOKS.—(Cast-steel teeth).....		1 00
PRUNING SAWS.....	1 50 @	2 50
ROUND SCOTCH SCYTHE STONES.....		20
SAYNOR & COOKE'S CELEBRATED BUDDING KNIVES.....	1 00 @	1 50
“ “ PRUNING KNIVES.....	1 50 @	3 00
TRANSPLANTING TROWELS.—(American C.S.)30@40c.(English C.S.).....	1 00 @	2 00
TRIANGULAR HOES.—Are also used as Tree Scrapers.....	50 @	75
VINE SCISSORS.—For thinning out Grapes.....	1 00 @	2 00
WISS' SPRING PRUNING SHEARS.....	1 00 @	3 00
FRENCH “ “ “.....	3 50 @	4 50
PERFECTION SPRING PRUNING SHEARS, best of all.....	2 00 @	3 50

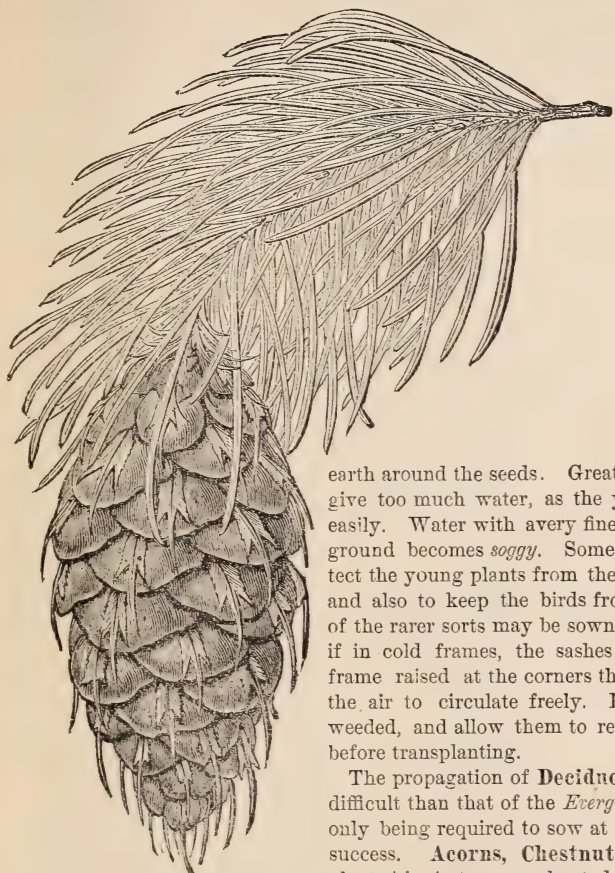
BOOKS

<i>Bee Keeping</i>	(Quinby)	1 50
<i>Breck's Book of Flowers</i>	(Breck)	1 75
<i>Broom Corn Culture and Making Brooms</i>		75
<i>Cranberry Culture</i>	(B. Eastwood)	75
<i>Downing's Cottage Residences</i>		6 00
<i>Downing's Selected Fruits</i>	(Charles Downing)	5 00
<i>Flower Garden Directory</i>	(R. Buist)	1 50
<i>Forest Tree Culturist</i>	(Fuller)	1 00
<i>Forest Trees for Shelter</i>	(Arthur Bryant)	1 50
<i>Fuller's Grape Culture</i>		1 50
<i>Gardening for Pleasure</i>	(P. Henderson)	1 50
<i>Gardening for Profit</i>	(P. Henderson)	1 50
<i>Gardening for the South</i>	(Wm. N. White)	2 00
<i>Hand Book of Grasses</i>	(Jno. Henderson)	1 50
<i>How to Grow Mushrooms</i>	(Wm. Early)	40
<i>Miniature Fruit Garden</i>	(Thomas Rivers)	1 00
<i>My Vineyard at Lakeview</i>		1 25
<i>Popular Flowers and How to Cultivate them</i>	(E. S. Rand, Jr.)	2 00
<i>Practical Floriculture</i>	(P. Henderson)	1 50
<i>Reed's Houseplants for Everybody</i>		1 50
<i>Small Fruit Culturist</i>	(Fuller)	1 50
<i>The Young Gardener's Assistant</i>	(Thomas Bridgeman)	2 00
<i>Turner's Cotton Planter's Manual</i>		1 50
<i>Window Flower Gardening</i>	(Henry T. Williams)	1 50
<i>The Beet Sugar—An American Book on this Industry</i>	(Lewis S. Ware)	4 00
<i>Truck Farming at the South</i>	(Dr. A. Oemler)	1 50
<i>Silos and Ensilage</i>	(Dr. Thurber)	50

Complete Assortments of Kitchen Garden Seeds, for Private Families.

CONTAINING THE MOST APPROVED AND CHOICE SORTS, IN QUANTITIES TO SUIT SMALL AND LARGE GARDENS.		No. 1. \$5.	No. 2. \$10.	No. 3. \$18.	No. 4. \$25.
Beans	Early Ne Plus Ultra.....	1 pt.	1 qt.	1 qt.	2 qt.
	Flageolet Wax.....			1 qt.	1 qt.
	Round Pod Valentine.....	1 pt.	1 qt.	1 qt.	2 qt.
	White Dutch Case Knife.....		1 pt.	1 qt.	1 qt.
	Large Lima.....	1 pt.	1 pt.	1 qt.	2 qt.
Beet	Extra Early Egyptian.....	1 oz.	2 oz.	4 oz.	8 oz.
	Blood Turnip.....	1 oz.	2 oz.	4 oz.	8 oz.
	Long Blood.....		2 oz.	4 oz.	8 oz.
Broccoli	Purple Cape.....		1/4 oz.	1/2 oz.	1/2 oz.
Brussels Sprouts		1/2 oz.	1 oz.	2 oz.	4 oz.
Cabbage	Early Etampes.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	Early Summer.....	1/4 oz.	1/4 oz.	1/2 oz.	1/2 oz.
	Drumhead Savoy.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	Large Flat Dutch.....	1/4 oz.	1/4 oz.	1 oz.	2 oz.
	Red Dutch, for pickling.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
Carrot	Early Forcing.....	1/4 oz.	1/4 oz.	2 oz.	4 oz.
	Long Orange.....	1 oz.	2 oz.	4 oz.	8 oz.
Cauliflower	Algiers.....	1/4 oz.	1/4 oz.	1/2 oz.	1/2 oz.
	Snow ball.....	1 pa.	1 pa.	1 pa.	1 pa.
Celery	Heartwell.....	1/4 oz.	1/2 oz.	1/2 oz.	1 oz.
Corn	Early Minnesota Sweet Sugar.....	1 pt.	1 qt.	1 qt.	2 qt.
	Excelsior Sugar.....	1 pt.	1 pt.	2 qt.	2 qt.
	Evergreen.....	1 pt.	1 qt.	2 qt.	4 qt.
Corn Salad			1 oz.	2 oz.	2 oz.
Cress, or	Peppergrass.....	1 oz.	2 oz.	4 oz.	4 oz.
Cucumber	Improved White Spined.....	1/2 oz.	1 oz.	1 oz.	2 oz.
	Green Prolific.....		1/2 oz.	1 oz.	1 oz.
Egg Plant	Improved New York Purple.....	1/2 oz.	1/4 oz.	1/2 oz.	1 oz.
	Black Pekin.....				1/2 oz.
Endive	Green Curled.....	1/4 oz.	1/2 oz.	1 oz.	2 oz.
Kale	Green Curled Scotch.....	1/2 oz.	1/2 oz.	1 oz.	1 oz.
Kohlrabi	Early White Vienna.....	1/4 oz.	1/2 oz.	1 oz.	1 oz.
Leek	Best Flag.....	1/4 oz.	1/4 oz.	1 oz.	1 oz.
Lettuce	Black Seeded Simpson.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	Grey Seeded Butter.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	All the Year Round.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	Shotwell's Brown Head.....	1/4 oz.	1/4 oz.	1 oz.	1 oz.
Melon	Golden Netted Gem.....	1/4 oz.	1/2 oz.	2 oz.	2 oz.
	Nutmeg.....	1/4 oz.	1/4 oz.	2 oz.	4 oz.
	The Boss.....	1 oz.	1 oz.	4 oz.	4 oz.
Okra	New Dwarf.....	1 oz.	2 oz.	4 oz.	8 oz.
Onion	Yellow Globe.....		2 oz.	2 oz.	4 oz.
	White Portugal.....	1 oz.	2 oz.	4 oz.	4 oz.
	Red Wethersfield.....		1/2 oz.	2 oz.	4 oz.
	Large Red Globe.....	1 oz.	3 oz.	4 oz.	4 oz.
Parsley	Extra Curled.....		1/2 oz.	1 oz.	1 oz.
Parsnip	Maltese Guernsey.....	1 oz.	2 oz.	4 oz.	8 oz.
Peas	Thorburn's Extra Early.....	1 pt.	1 qt.	2 qt.	2 qt.
	McLean's Advancer.....	1 pt.	1 pt.	2 qt.	2 qt.
	American Wonder.....		1 pt.	2 qt.	2 qt.
	Champion of England.....	1 pt.	1 qt.	2 qt.	4 qt.
	Minimum.....	1 pt.	1 qt.	2 qt.	4 qt.
	Telephone.....			1 qt.	1 qt.
Pepper	Sweet Mountain.....		1/4 oz.	1/2 oz.	1/2 oz.
	Cherry.....			1/4 oz.	1/4 oz.
Radish	French Breakfast.....	1 oz.	2 oz.	4 oz.	4 oz.
	Scarlet Turnip.....	1 oz.	2 oz.	4 oz.	8 oz.
	Yellow Turnip.....		1 oz.	2 oz.	4 oz.
	Long Scarlet.....	1 oz.	2 oz.	2 oz.	4 oz.
	Chinese Winter.....	1/2 oz.	1 oz.	2 oz.	4 oz.
Salsify		1/2 oz.	2 oz.	4 oz.	8 oz.
Spinach	Viroflay.....	1/4 lb.	1/2 lb.	1/2 lb.	1 lb.
Squash	Early Bush Crook-Neck.....	1/2 oz.	1/2 oz.	1 oz.	2 oz.
	Perfect Gem.....	1/4 oz.	1/4 oz.	1/2 oz.	1/2 oz.
	Boston Marrow.....	1/2 oz.	1/2 oz.	1 oz.	2 oz.
Tomato	The Trophy.....	1/4 oz.	1/4 oz.	1/2 oz.	1/2 oz.
	Favorite.....		1/4 oz.	1/2 oz.	1/2 oz.
	Acme.....	1/4 oz.	1/4 oz.	1/2 oz.	1 oz.
	Red Cherry.....		1/4 oz.	1/2 oz.	1/2 oz.
Turnip	Red Top Strap Leaf.....	1 oz.	1 oz.	2 oz.	4 oz.
	Montmagny.....		1 oz.	2 oz.	4 oz.
	Golden Ball.....	1 oz.	1 oz.	2 oz.	4 oz.
Herbs	(Five Varieties).....		1 pa. ea.	1 pa. ea.	1 pa. ea.

Tree & Shrub Seeds.



ABIES DOUGLASSII.

In order to preserve seeds of CONIFERS and other *Evergreen Trees*, it is best to keep them in perfectly dry sand until the time of sowing ; if this cannot be done readily, place them in a cool, dry spot, where mice will not reach them. For this latitude, the Seeds should be sown thinly, as early in the Spring as the ground can be worked, in beds of fine sandy loam. Cover to the depth of about the thickness of the Seed, and press the beds gently with the back of the spade to firm the

earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes *soggy*. Some shade must be used to protect the young plants from the hot, drying sun and winds, and also to keep the birds from destroying them. Seeds of the rarer sorts may be sown in cold frames or in boxes ; if in cold frames, the sashes should be shaded and the frame raised at the corners three or four inches, to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain from one to two years before transplanting.

The propagation of **Deciduous Trees** from Seeds is less difficult than that of the *Evergreen Species*, a little attention only being required to sow at the proper season to insure success. **Acorns, Chestnuts and Walnuts** should be planted in Autumn, or kept during the Winter in sand or moss. They shrivel up by too long exposure to the air, and many of them lose their power of vegetating entirely, those with hard shells like the **Locust, Gymnocladus, &c.**, should also be planted in Autumn, or placed in boxes with sand and exposed to frost before planting, otherwise they may not vegetate till the second year after planting, but if these seeds are received too late in the Spring to expose them to the action of frost, they may be put into a vessel of hot water for an hour or so before planting. **American Elm, Silver Maple**, and a few other sorts, ripen their seeds early in the Summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other **Deciduous Trees** and Shrubs should be planted from the middle of April to the middle of May, in drills about two feet apart, and covered about half an inch in depth, according to size.

**Indicates that it is not hardy in this latitude.*

EVERGREEN TREE AND SHRUB SEEDS.

ASSORTMENTS CONTAINING A SMALL QUANTITY EACH OF

25	Varieties Conebearing, Evergreen Tree Seeds.....	\$2.50
12	“ “ “ “ “ “	1.50
25	“ Deciduous Tree and Shrub Seeds.....	2.00
12	“ “ “ “ “ “	1.00

EVERGREEN SEEDS.

		lb.	oz.	pkt.
Abies	balsamea.....	Balsam Fir	2 00	25
“	DOUGLASH.....	Douglas Spruce, splendid tree	3 00	30
“	excelsa.....	Norway Spruce	75	20
“	Nordmaniana.....	Nordman's Fir	4 00	40
“	pectinata.....	European Silver Fir	1 50	25
“	subalpina var. fallax.....	New from Oregon	10 00	75
“	pinsapo.....	Spanish Fir	4 00	40
“	taxifolia.....	Yew-leaved Spruce	4 00	40
*Arbutus	Unedo.....	Strawberry Bush	3 00	30
Arctostaphylos	glauca.....	Great-berried Manzanita	2 50	25
“	pungens.....	Erect	3 00	30
“	uva-ursi.....	Bearberry	2 50	25
Azalea	Californica.....	Californian Azalea	3 00	25
Buxus	sempervirens.....	Evergreen Box	2 50	25
Cedrus	Atlantica argentea.....	Mount Atlas Cedar	cone	25
“	Libani.....	Cedar of Lebanon	cone	25
*Cryptomeria	Japonica.....	Japanese Cedar	3 00	30
Cupressus	horizontalis.....	Horizontal Cypress	2 50	25
“	Goveniana.....	Goven's	4 00	40
“	Lawsoniana.....	Lawson's	5 00	50
“	macrocarpa.....	Monterey	3 00	30
“	MacNabiana.....	MacNab's	4 00	40
“	sempervirens.....	Evergreen	2 00	20
Juniperus	communis.....	European Juniper	75	15
“	excelsa.....	Tall	3 00	30
“	prostrata.....	Prostrate	50	15
“	Virginianus.....	Red Cedar	75	25
Libocedrus	decurrens.....	Grows to the height of 100 to 150 feet	4 00	40
*Magnolia	grandiflora.....	Large Flowered	2 00	20
Picea	amabilis.....	Lovely Silver Fir	5 00	50
“	grandis.....	Great Silver Fir	5 00	50
“	magnifica.....	Magnificent California Fir	7 00	60
“	nobilis.....	Oregon Red Fir	12 00	1 00
*Pinus	australis.....	Yellow Pine	4 00	40
“	Brutia (Calabrica).....	Calabrian	75	25
“	Alepica.....	French Pine	2 50	25
* “	Canariensis.....	Canary Island Pine	4 00	40
“	Cembra.....	Cembran Stone Pine	1 00	15
“	contorta.....	Tamarac Pine	7 00	75
“	Coulteri.....	Coulter's California Pine	5 00	50
“	insignis.....	Oregon Pitch Pine	3 00	30
“	Jeffrey.....	Jeffrey's Pine	6 00	60
“	Lambertiana.....	Sugar Pine	3 00	30
“	Laricio.....	Corstcan Pine	2 50	25

EVERGREEN SEEDS.—Continued.

		℔ lb.	℥ oz.	℥ pkt.
Pinus Llaveana	<i>Llave's Mexican Pine</i>	\$6 00	60	.....
" maritima	<i>Seaside Pine</i>	1 00	20	.....
" monophylla	<i>The Pinon Pine</i>	5 00	50	.....
" muricata	<i>Bishop's Pine</i>	6 00	60	.....
" nigra Austriaca	<i>Black Austrian</i>	1 50	25	.....
" Pinea	<i>Stone Pine</i>	1 00	15	.....
" ponderosa	<i>California Yellow Pine</i>	4 00	40	.....
" Sabiniana	<i>Sabine's</i>	3 00	30	.....
" Strobis	<i>Weymouth, or White</i>	4 00	40	.....
" sylvestris	<i>Scotch Pine</i>	2 00	25	.....
" Torreyana	<i>Torrey's Pine</i>	4 00	40	.....
" tuberculata	<i>Tuberculated Pine</i>	6 00	60	.....
Rhododendron Californicum	<i>California Rhododendron</i>	.....	1 50	25
Sequoia gigantea	<i>Big Tree of California</i>	7 00	75	.....
" sempervirens	<i>California Red Wood</i>	4 00	40	.....
Taxus baccata	<i>Yew</i>	2 00	25	.....
Thuja aurea	<i>Golden Arbor Vitæ</i>	4 00	40	.....
" falcata	<i>European "</i>	6 00	50	.....
" occidentalis	<i>American " "</i>	4 00	40	.....
" orientalis	<i>Chinese " "</i>	2 00	20	.....
" Sieboldi	<i>Siebold's " "</i>	5 00	50	.....
" gigantea	<i>Giant Oregon Arbor Vitæ</i>	6 00	60	.....
" Tartarica	<i>Tartarian " "</i>	.....	50	.....
Torreya Californica	<i>California Nutmeg</i>	3 00	30	.....
Yucca baccata	<i>Berry-bearing</i>	.....	1 00	25
" Whipplei	<i>Whipple's</i>	.....	1 00	25
" brevifolia	<i>Short leaved</i>	.....	1 00	25
" macrocarpa	<i>Large fruited</i>	.....	2 50	25

Deciduous Tree and Shrub Seeds.

		℔ lb.	℥ oz.	℥ pkt.
Acer circinatum	<i>Western Maple</i>	\$2 00	25	.....
" glabrum	<i>Oregon Maple</i>	5 00	50	.....
" macrophyllum	<i>Large-leaved Maple</i>	2 50	25	.....
" platanoides	<i>Norway Maple</i>	1 50	25	.....
" Pennsylvanicum	<i>Striped Maple</i>	1 50	25	.....
" pseudo-platanus	<i>Sycamore</i>	1 00	20	.....
" rubrum	<i>Scarlet " "</i>	2 00	25	.....
" saccharinum	<i>Sugar " "</i>	1 25	25	.....
Æsculus glabra	<i>Ohio Buckeye, ℥ bus. \$5</i>	.....	20	.....
Ailantus glandulosus	<i>Tree of Heaven</i>	2 00	25	.....
Alnus communis	<i>Common Alder</i>	1 50	25	.....
Amorpha fruticosa	<i>Bastard Indigo</i>	2 00	25	.....
Ampelopsis quinquefolia	<i>Virginia Creeper</i>	2 00	25	.....
" Veitchii	<i>Variegated-leaved Creeper</i>	5 00	50	.....
Amygdalus vulgaris	<i>Hard shell Sweet Almond</i>	30	.....	.....
Andromeda ligustrina	<i>Pine Shrub</i>	.....	2 00	25
" Mariana	<i>Stagger-Bush</i>	.....	2 00	25
Aristolochia Californica	<i>Pacific Dutchman's Pipe</i>	.....	1 50	25
" siphon	<i>Dutchman's Pipe</i>	20 00	1 50	.....
Asimina triloba	<i>Papaw Tree</i>	2 00	25	.....
Berberis vulgaris	<i>Barberry</i>	1 50	25	.....
" folia purpurea	<i>Purple-leaved Barberry</i>	3 00	30	.....
Betula alba	<i>White American Birch</i>	2 00	25	.....
" lutea	<i>Yellow Birch</i>	2 00	25	.....
" pendula	<i>Weeping Birch</i>	3 00	30	.....
Broussonetia papyrifera	<i>Paper Mulberry</i>	.....	30	.....
Bupleurum fruticosum	.....	.....	40	.....
Callicarpa Americana	<i>French Mulberry</i>	4 00	40	.....

DECIDUOUS SEEDS.—Continued.

		lb.	oz.	pkt.
Calycanthus floridus	Sweet-scented Shrub.	\$1 50	25	
“ occidentalis	California Sweet-scented Shrub	4 00	40	
Carpinus Americanus	Water Beech	2 50	25	
Carya alba	Shell Bark, $\frac{1}{2}$ bus. \$4.00.			25
Cassia Marilandica	Wild Senna.	3 00	30	
Catalpa speciosa	Hardy Catalpa.	2 00	25	
Ceanothus integrissimus		6 00	60	
“ prostratus	Handsome	6 00	60	
“ thyrsiflorus	California	4 00	40	
“ divaricatus	Shrubs.	6 00	60	
Celastrus scandens	Wax Work.	3 00	30	
Celtis Australis	European Nettle Tree.	2 50	25	
Cephalanthus occidentalis	Button Ball Bush.	1 50	25	
Cercis Canadensis	American Judas Tree.	1 00	25	
“ occidentalis	Californian Judas Tree.	6 00	50	
“ siliquastrum	European Judas Tree.	2 50	25	
Centrosema Virginianum	Butterfly Pea	6 00	60	
Ceratonia Siliqua	St. John's Bread.	3 00	30	
Clematis Virginiana	Virgin's Bower.	4 00	40	
“ flammula	Sweet scented Virgin's Bower.	4 00	40	
“ coccinea	Texas Scarlet	16 00	1 25	
Clethra alnifolia	Sweet Pepper Bush.	10 00	1 00	
Colutea arborescens	Shrubby.	1 50	25	
Cornus Florida	Flowering Dogwood.	1 25	25	
“ paniculata	Panicle Cornel.	2 00	25	
“ stolonifera	Red-Osier Dogwood.	2 50	25	
“ alternifolia	Alternate-leaved Dogwood.	2 50	25	
“ Nuttallii	Nuttall's Dogwood	3 00	30	
Coronilla emerus			40	
Cotoneaster buxifolia	Handsome Shrub	3 00	30	
Cratægus coccinea	Scarlet fruited	1 50	25	
“ parvifolia	Dwarf Thorn.	1 50	25	
“ Oxyacantha	Hawthorn.	1 00	25	
“ rivularis	From Washington Territory.	3 00	30	
“ crus-galli	Cockspur Thorn.	1 50	25	
“ splendens	Long Island Thorn.	2 00	25	
“ tomentosa	Black Thorn.	1 50	25	
Cytisus alpinus	Alpine Laburnum.	2 00	25	
“ Laburnum	Laburnum.	1 25	25	
Daphne Mezereum	Mezereum.			25
Diospyros Lotus	European Persimmon.	3 00	30	
“ Mexicana	Mexican	2 50	25	
Elæagnus angustifolia	Oleaster	2 50	25	
*Eucalyptus globulus	Blue Gum.	6 00	50	25
This celebrated tree would not be hardy here, but in the Southern States would be a quick growing and valuable tree.				
Other distinct varieties expected.				
Euonymus Americana	Burning Bush.	2 00	25	
Fagus sylvatica	European Beech.	60	10	
Frangula Californica	Oregon Thorn.	4 00	40	
Fraxinus alba	White American Ash	75	20	
“ acuminata	Yellow American Ash	1 50	25	
“ excelsior	European Ash.	75	20	
“ pubescens	Red American Ash.	1 50	25	
“ Ornus	Flowering Ash.	2 50	25	
“ quadrangulata	Blue American Ash	1 50	25	
“ sambucifolia	Black American Ash.	1 50	25	
“ viridis	Green American Ash.	1 50	25	
Fremontia Californica		10 00	1 00	25
Gaultheria procumbens	Creeping Winter Green	5 00	50	
Gaylussacia dumosa	Dwarf Huckleberry.	2 00	25	
“ resinosa	Black Huckleberry	1 00	25	
Genista scoparia	Scotch Broom.	75	10	
“ tinctoria	Green Broom.		30	
Gleditschia Sinensis	Chinese.	2 50	25	

DECIDUOUS SEEDS.—Continued.

		℥ lb.	℥ oz.	℥ pkt.
Gleditschia triacanthos	Honey Locust	\$0 40	10	
" horrida	Horrid Thorn	2 50	25	
Gymnocladus Canadensis	Kentucky Coffee Tree	1 00	20	
Hibiscus Syriacus fl. pl.	Double Rose of Sharon	3 00	30	
Ilex (Prinos) verticillatus	Winter Berry	2 00	20	
Indigofera tinctoria	Indigo Tree	3 00	30	
Juglans regia	English Walnut	30		
Kalmia angustifolia	Sheep Laurel		2 00	25
" latifolia	Mountain Laurel		1 50	25
Kœlreuteria paniculata	Chinese Bladder-nut	2 00	25	
Larix Europæa	European Larch	1 25	25	
*Laurus nobilis	Laurel	1 00	20	
Ligustrum Japonicum	Japan Privet	1 50	25	
" vulgare	Common Privet	1 50	25	
Liquidambar styraciflua	Sweet Gum Tree	6 00	50	
Liriodendron tulipifera	Tulip Tree	75	20	
Maclura aurantiaca	Osage Orange	℥ bus. \$7	50	
Morus alba	White Mulberry	2 00	25	
" Moretti	Russian "	3 50	35	
" alba rosea	Hybrid "	2 50	25	
" alba fructo nigra	" "	3 00	30	
" cedrona	French "	5 00	50	
Myrica cerifera	Wax Myrtle	2 00	25	
Nyssa multiflora	Black Gum	1 25	25	
Oreodaphne Californica	California Spice Tree	2 00	25	
Ostrya Virginica	American Hop Horn Beam	3 00	30	
*Paliurus aculeatus	Christ's Thorn	1 50	25	
Pardanthus Chinensis	Blackberry Lily	4 00	40	
Paulownia imperialis	Paulownia	2 50	30	
Phytolacca decandra	Garget	1 50	25	
Pistacia vera	Pistacia Nut		25	
Platanus occidentalis	Button Ball, or Plane Tree	1 25	25	
" orientalis	European Button Ball	1 25	25	
*Poinciana Gilliesii	Gillies'			25
Prunus maritima	Beach Plum	2 00	25	
" mollis	Oregon Wild Cherry	5 00	50	
" serotina	Wild Black Cherry	1 25	25	
" padus	Wild Cherry	2 00	25	
Ptelea trifoliata	Hop Tree	2 50	30	
Pyrus arbutifolia	Choke-Berry	2 50	25	
" rivularis	Oregon Crab Tree	2 50	25	
Quercus rubra	Red Oak	℥ bus. \$4 00	25	
Rhamnus catharticus	Buckthorn	2 00	25	
" alaternus	Broad Leaved Alater		25	
Rhus Cotinus	Smoke Tree		40	
" Copallina	Dwarf Sumach	2 00	25	
" glabra	Smooth Sumach	1 50	25	
" Toxicodendron	Poison Ivy	3 00	30	
" typhina	Staghorn Sumach	2 00	25	
" Venenata	Poison Sumach	2 50	25	
Ribes Lobbi	Purple Oregon Currant		1 25	
" floridum	Wild Black Currant		60	
Robinia Pseudacacia	Yellow Locust	40	10	
Rosa hybrida	Hybrid Rose, mixed		50	
" canina	Dog Rose for Stocks	50	15	
" Carolina	Swamp Rose	2 50	25	
" rugosa, rubra and alba	Japan Single Rose (white and red)		3 00	25
" blanda	Early Wild Rose (clean)	2 50	25	
" setigera	Prairie Rose	2 00	25	
Rubus spectabilis	Red Oregon Raspberry		1 50	
Salisburia adiantifolia	Maiden Hair Tree, ℥ doz. nuts 35c.			
Salix caprea	Willow	2 00	25	
" alba	White Willow	2 00	25	
Sambucus pubens	Red fruited Elder	2 00	25	
" glauca	Colorado Elder	3 00	30	
" Canadensis	Common Elder	2 00	25	

DECIDUOUS SEEDS—Continued.

		℥ lb.	℥ oz.	℥ pkt.
Smilax herbacea.....	Carrión Flower.....	\$2 00	25	.....
Sophora Japonica.....	Japanese Sophora.....	2 50	25	.....
“ “ pendula.....	“ Drooping Sophora.....	2 50	25	.....
“ speciosa.....	From Arizona.....	3 00	30	.....
“ affinis.....	.....	2 00	25	.....
Spartium Junceum.....	Spanish Broom.....	1 50	25	.....
Spiræa arifolia.....	From Oregon.....	6 00	60	.....
“ Douglasii.....	“.....	7 00	60	.....
Syringa vulgaris.....	Lilac.....	2 00	25	.....
Taxodium distichum.....	North Carolina Cypress.....	60	10	.....
Taxus brevifolia.....	California Yew Tree.....	12 00	1 00	.....
Tecoma radicans.....	Trumpet Creeper.....	4 00	40	.....
“ stans.....	Yellow Trumpet Creeper.....	5 00	50	.....
Tilia Europæa.....	European Linden.....	1 00	20	.....
Typha latifolia.....	Cat Tail Reed.....	2 00	20	.....
Ulmus crassifolia.....	From Texas.....	3 00	30	.....
Ulex Europæus.....	Furze.....	1 00	20	.....
Viburnum acerifolium.....	Dock Mackie.....	2 00	25	.....
“ lentago.....	Sweet Viburnum.....	2 00	25	.....
“ prunifolium.....	Black Haw.....	2 00	25	.....
“ pubescens.....	Downy Arrow-wood.....	2 50	25	.....
“ nudum.....	Withe-Rod.....	2 00	25	.....
“ dentatum.....	Arrow-wood.....	2 00	25	.....
“ tinus.....	Laurustinus.....	2 00	25	.....
Vitex agnus-castus.....	Chaste Tree.....	.....	25	.....
Wistaria frutescens.....	American Wistaria.....	3 50	35	.....
“ magnifica.....	Magnificent Wistaria.....	4 00	40	.....
“ Sinensis.....	Chinese Wistaria.....	6 00	50	.....
Zanthoxylum Americanum.....	Prickly Ash.....	3 00	30	.....
Zizyphus sativa.....	Cultivated Jujube.....	.....	25	.....

NATIVE GRAPE SEED.

		℥ lb.	℥ oz.	℥ pkt.
VITIS æstivalis, Natural.....	.....	\$2 00	\$0 25	.....
“ “ Herbemont.....	.....	2 50	25	.....
“ “ Norton's Virginia.....	.....	2 00	25	.....
“ Californica, Natural.....	.....	2 50	25	.....
“ cordifolia, Natural.....	.....	2 00	25	.....
“ labrusca, Concord.....	.....	1 50	25	.....
“ riparia, Natural.....	.....	3 50	35	.....
“ “ Clinton.....	.....	2 00	25	.....
“ vulpina, Natural (Mexican Mustang).....	.....	4 00	40	.....

PALM SEEDS.

Per Packet.

Areca Baueri, 25c.

“ lutescens, 25c.

Attalea funifera, 25c.

Brahea filifera, 25c.

“ glauca, 25c.

Caryota urens, 10c.

Chamædora elegantissima, 25c.

“ elatior, 25c.

Cocos Weddelliana, 25c.

“ Gaertneri, 25c.

Corypha Australis, 10c.

Euterpe edulis, 10c.

Geonoma gracilis, 25c.

“ Verschaffeltii, 25c.

Kentia Balmoreana, 25c.

“ Forsteriana, 25c.

Latania Borbonica, 10c.

Oreodoxa regia, 10c.

Pandanus utilis, 10c.

Phœnix Canariensis, 25c.

“ dactylifera, 25c.

Seaforthia elegans, 25c.

FLOWER * SEEDS,

—WITH—

Practical Directions for their Culture, Treatment, &c.

HARDY ANNUALS (*h.A.*).—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hot-bed, or, if possible, in a green-house. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. For sowing seeds in, there is nothing better than shallow boxes from two to three inches deep, and of any convenient size. The proper soil in which to sow seeds of all the smaller kinds should be a very fine, rich, sandy loam; if some fine charcoal can be mixed with it, it will be beneficial. The soil from old hot-beds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years, and then mixed with a little fine old stable manure and sand. The selection of a proper soil in which to sow fine seeds is very important, as upon this depends the success or failure of them. After the seeds are up, care must be taken to give them plenty of air and moisture, and yet not too much water, or they will damp off. When the young plants are well out of the seed leaf, they must be transplanted to new boxes. If pots two inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings around the edges of the pots, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. Where the pots cannot be had, boxes, tin cans, etc., may be substituted, or a cheap and effective plan is to take out the inside of a potato or turnip, leaving a shell half an inch thick. After filling these with the compost above referred to, set out the seedlings in them, and place the whole in boxes, filling in the spaces between the potatoes or turnips with soil. When the plants are ready to set in the open ground it is an easy matter to transplant them, and as the decay of the turnips or potatoes affords nourishment to the young plants, a double purpose is served in using them. A common mistake in sowing Flower, as well as other seeds, is in covering too deep. As a general rule, cover only to the depth of the thickness of the seeds, or with medium-sized seeds like Balsams, Zinnias, etc., a half an inch or so is none too much. Such fine seeds as Portulacas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all Flower seeds, else there is danger of their drying up before the roots can get firmly hold of the soil. Seeds of the hardier *Annuals* may be sown where they are to grow, but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such *Annuals* as require it, else the plants become weak and straggling, and do not make the show they otherwise would.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of *Biennials* and some *Hardy Annuals* may be sown in September in boxes and placed in cold frames. They will make fine strong plants by Spring, and come into flower early. Do not put on the sashes until heavy rains and frosts render this necessary, and then always remove during the day, and whenever the temperature is above freezing in Winter.

HARDY BIENNIALS AND PERENNIALS (hB and hP.)—These require the same treatment as the *Hardy Annuals*. In addition to the above, both *Hardy Biennials* and *Perennials* may be sown in the open border in September; for if not sown until Spring, the seeds of many *Perennials* require two years before they germinate. In this case it is a good plan, at the commencement of frost, to cover them lightly with straw, leaves, or any dry litter, in order to afford some protection from the extreme severity of the Winter. As soon as the frost is out in Spring, the covering must be carefully removed and the surface around them loosened, and, when large enough, transplanted to the flower garden where they are to remain.

HALF HARDY ANNUALS (hhA.)—These may be sown in shallow boxes, pots, or a hot-bed, as directed for *Hardy Annuals*. They may be sown thus at any time after the middle of April, as the hot-bed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible by partly or wholly removing the lights. After the end of May sow in the border, like *Hardy Annuals*.

Half Hardy Biennials and *Perennials* require the same treatment. Though plants and their bloom are greatly forwarded by sowing the seed early in boxes under cover, it may be stated that nearly all kinds of hardy and half hardy flower seeds may be sown in the open border, in a warm and sunny spot, as soon as the soil has become dry and warm; so that those who have no glass frames or green-houses need not be without flowers. They can have them, but it will be later.

TENDER ANNUALS, BIENNIALS, AND PERENNIALS.—The best method to obtain an early bloom of the *Tender Annuals* (tA), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm green-house, or plunging in a moderate hot-bed, carefully protecting them from the cold, shading from the mid-day sun, and watering with a fine rose. The seed should be sown in very light, sandy compost, and the pots well drained by placing broken pots and bits of sods in the bottom. The finer seeds must not be covered more than an *eighth of an inch deep*, and the soil pressed down closely over them. Water frequently, particularly if the house or hot-bed be very warm. As soon as the plants are out of the seed leaf, transplant into shallow boxes or small pots, and when they have acquired sufficient strength transplant into the flower beds; not, however, before the middle of May.

GREEN-HOUSE SEEDS (g.)—Should be sown as directed for *Tender Annuals*, in pans, pots, or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun till strong enough to transplant. Most varieties may be sown at any season of the year.

The smaller seeds of *Green-house Plants* are sometimes difficult to germinate, unless great care be taken in the mode of sowing. Hence the supposition is produced that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mould or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top, so that the mould may not afterward sink materially with watering. Sow the seed very thin, and cover *very lightly* with a little of the compost, or with some of the silver sand. Success is more certain if a pane of glass be placed over the pan or box till the plants have appeared, when it should be removed. By this method the difficulty of success with fine seeds will be removed. As soon as the young plants have two leaves, they should be transplanted into similar compost in another pan or box. To do this, do not pull them out of the seed-pan, but break up the soil by running a stick or the trowel under it, when the plants can be taken out with good roots. After transplanting, they should be kept in a shady part of the green-house for a few days, until they are established in the new soil.

There are many minute plants, from the finer seeds, killed by drenching with water while very young. One way to avoid this is to give the water by dipping a clothes-brush in water,

shaking off the greater part of the water from the brush, and then (holding the brush over the seed-pan) drawing the hand over the bristles several times, which will cause the water to be thrown on the young plants almost like dew. Some of the vaporizers now in use are admirably adapted for watering tender young plants. In the first stage of their existence, plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

PRIMULAS, CHINESE.—The Chinese Primrose is deservedly one of our most popular winter-blooming plants. For winter use, it is easily raised from good seed, if these be sown at the right time and properly treated. Sow the seed in drills in a light, rich soil in shallow boxes at any time from the middle of March till the middle of May. The earliest sown seed will naturally produce the earliest bloom. Cover the seed about an eighth of an inch, and press the soil on them with a board or the bottom of a pot. Water moderately, avoid forcing the seed, and keep the young plants away from drip. The boxes may be placed in the green-house, or out of doors in a frame. As soon as the plants are well out of the seed leaf, transplant them singly into two or two and a half inch pots, using a light, rich soil. The object now is to make good stocky plants, and they must therefore be re-potted as often as the pots become tolerably filled with roots, until they are in five or six inch pots, when they may be allowed to flower. Previous to this, any flower stalks that appear must be pinched out. In a suitable place the plants will do better out of doors than in the green-house during the summer. They need a liberal supply of water. The plants will bloom continuously during the winter in either the green-house or a well-lighted sitting room.

CINERARIAS.—Years ago the Cineraria was a popular plant among florists. Bedding plants crowded it aside; but it is now fast taking its proper place again among choice winter-blooming plants. It is, to be sure, a rather difficult plant to grow and bloom well, if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the green-house. For winter blooming, sow the seed in April and May in shallow boxes in fine soil. Sow the seed in shallow drills, cover, and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, but be free from drip. Water moderately and carefully. The treatment of the seedlings is similar to that given to the Chinese Primrose. As soon as the plants are out of the seed leaf, transplant singly into small pots in a rich soil with some vegetable mould in it. Re-pot as often as the pots become moderately filled with roots, or sufficiently often to prevent the roots from becoming pot bound, and so avoid checking the growth. If specimen plants be wanted, the re-potting should be continued till the plants are in pots from eight to ten inches in diameter. The last two pottings should be liberal ones, and drainage well provided for, as the plants will need copious waterings. When the flower stalks appear, manure water may be used once or twice a week. Aphid and red spider are the chief enemies to be guarded against; and this is best done by frequent syringings overhead. The plants will do best during the summer out of doors in some place where they will not get too much sun, and be free from the drip of trees. In the fall the plants should be placed in a *cool* green-house, where the temperature can be kept low and the air moist. The plants should be placed on a table by themselves, and the pots *always* kept far enough apart to prevent the leaves in one pot from touching those in the next. In the winter, when the plants are coming into bloom, it may be necessary to smoke the plants occasionally to keep down the green fly.

CALCEOLARIAS—The herbaceous varieties of the Calceolaria are very beautiful and popular plants. They should be flowered in a cool green-house. The seeds are very small, and should be sown on the surface. Sow in shallow boxes filled with a light, sandy soil that has been sifted. Sow moderately thick in rows on the surface, and cover very lightly with sifted sphagnum moss, coconut waste, or very light soil. Press the soil firmly on the seed. The watering should be done carefully. An atomizer or brush may be used to ad-

vantage. To retain the moisture, the box may be covered with panes of glass, which must be removed, however, as soon as the plants make their appearance. The box should have plenty of light, but not much sun. As soon as the plants can be handled, transplant singly into pots two to two and a half inches in diameter. The soil should be light and rich, and vegetable mould is an excellent addition. Re-pot as often as the pots are fairly filled with roots, and continue the re-potting, if fine flowers are wanted, till the plants are in pots eight inches in diameter. If the pots become root bound, the plants are apt to run prematurely into flower. Water regularly and abundantly, to prevent drooping. As the pots increase in size, drainage must be supplied to carry off the surplus water. Place in a *cool* green-house in the winter, as directed for Cinerarias, and keep the pots sufficiently apart at all times to prevent the leaves from touching. An occasional smoking may be necessary to keep down the green fly.

GERANIUMS.—The Scarlet or Horseshoe Geranium, (or, more properly, Pelargonium,) now so extensively used for bedding, may be easily grown from seed at any season of the year. If during the summer, better out of doors than any where else; but in a green-house or sitting room during the winter. Sow the seed in pots or shallow boxes, in any common soil. Cover about an eighth of an inch, and press the soil on the seed. Transplant as soon as out of the seed leaf in small pots, in a soil only moderately rich, or, if the seed were started out of doors, the plants may be put in the border. Seed sown indoors in the fall or early winter, and the plants grown in the green-house, will show flowers in June and July, while plants from those sown in March or later will not come into flower till August or September, and some even later. Much, however, depends upon the treatment, those receiving special care in pots blooming much sooner than those turned into a border or bed. The character of the flower will depend upon the goodness of the seed. While many will produce bright and pretty flowers, it is only occasionally that one will be found sufficiently good to save for a name, except the seed has been saved from choice kinds.

Novelties and Select New Flower Seeds.

Acroclinium albo flore pleno. <i>New double white variety of this pretty Everlasting, producing about the same percentage of double flowering plants as the double rose variety</i>	
<i>Per packet.</i>	\$0 40
Aquilegia cœrulea hybrida. <i>One of the most beautiful perennials, violet, blue and yellow flowers.</i>	
<i>Per packet.</i>	25
Calendula sicula flore pleno, "Double Sicilian Marigold." <i>Beautiful annual, with round, well shaped, double orange yellow flowers.</i>	
<i>Per packet.</i>	10
Candytuft, "New Giant White." <i>Very large flowers and truss, a new valuable strain for florists.</i>	
<i>Per packet.</i>	10
Celosia plumosa aurea, "Golden Feathered Cockcomb." <i>A most beautiful strain, exquisite shades.</i>	
<i>Per packet.</i>	10
Chrysanthemum carinatum, "Eclipse." <i>New variety resembling in form of flower the well known Chrys. car. Burridgeanum, but surpassing it greatly by its striking colors which are pure golden yellow with a bright purplish scarlet ring or centre on the ray florets, the disk being dark brown. For cut flowers this variety will be found very valuable and attractive.</i>	
<i>Per packet.</i>	40

- Chrysanthemum coronarium sulphureum flore pleno.** For bouquets or for general decorative purposes, this new double variety of the annual Chry. will be found most desirable, the color of the flowers are delicate lemon. Per packet. \$0 30
- Dahlia, "New Single."** We again call attention to this magnificent decorative plant. The style of the flower is entirely distinct from the ordinary Double Dahlia, easily flowered from seed the first year by starting them in hot bed—cannot be too highly recommended. Per packet. 10
- Daisy, "Longfellow" (Bellis perennis flore pleno).** Extra large double dark rose colored flowers, will become very valuable for bouquets. Per packet. 50
- Eucharidium Breweri.** Rare and truly magnificent species of dwarf spreading habit and narrowly lanceolate foliage. The color of the flower is a pleasing purplish rose shading to white in the centre. It flowers very profusely and is of the same easy culture as the different kinds of Clarkia. Per packet. 40
- Lavatera arborea variegata.** This beautiful species has met with great success. The variegation of its large leaves consist of a mixture of different shades of green and pure white, it becomes most striking as the plants advance in age, valuable for large beds or for single lawn plants. Per packet. 25
- Mignonette "Machet."** Well adapted for pot-culture, it comes perfectly true from seed which, however, is not at all abundantly produced. The dwarf and vigorous plants are of pyramidal growth and furnished with very thick dark green leaves; they throw up numerous stout flower-stalks terminated by massive spikes of deliciously-scented red flowers. It is entirely distinct from all the sorts hitherto. Per packet. 25
- Mignonette, "Golden Queen."** Large flower and valuable for florists. Per packet. 5
- Mignonette, "Crimson Queen."** Large flower and valuable for florists. Per packet. 5
- Nasturtium, "Empress of India."** The flowers of this grand novelty in the way of Dwarf Nasturtiums, are of a brilliant crimson color, and so freely produced, that no other annual in cultivation can approach it in effectiveness, the leaves are a bluish green and quite distinct. Per packet. 10
- Pansy, "Trimarceau."** An entirely distinct and beautiful new race. The plants are of a vigorous though compact habit; the flowers are carried well and each one is marked with three large blotches or spots. They are of refined form and present a notable difference from those of all known races in being of a size hitherto quite unattained in this genus. Per packet. 50
- Papaver Inephisto.** New single flowering Poppy, a sport out of Papaver, "Danebrog." The color of the flowers is a fiery deep scarlet bearing on each of the four petals a large blackish violet spot; very showy variety. Per packet. 25
- Peas, Sweet Pea, "Princess Beatrice."** A new and lovely variety, distinct from any other with respect to color, which is a rosy carmine, delicately shaded with lighter and darker tints. Per packet. 5
- Petunia hybrid nitus aurea.** An entirely new strain from Germany, large and beautiful veined flowers and deep yellow throat. Per packet. 40
- Primrose, English Yellow Primrose.** Seed of this celebrated flower can rarely be had. Per packet. 25
- Trachymene cœrulea albo.** New white flowering variety of this charming annual, highly recommended. Per packet. 30
- Verbena hybrida foliis aureis, "Golden Leaved Verbena."** Very interesting and attractive new variety with bright golden yellow leaves and flowers of the purest scarlet, forming thus a beautiful contrast and being admirably adapted for bedding purposes. Per packet. 30

EXPLANATION

OF THE

FLOWER SEED CATALOGUE.

The first column gives the number by which the different varieties may be ordered without writing out the whole name.

The second column gives the *Botanical* name, in Roman characters.

* designates ornamental leaved plants.

.. .. in all cases, *Pepetition*.

in vars.. in *varieties*, or mixed colors.

fl. pl. .. *flore pleno*, or double flowered.

The figures in the third column give the comparative time of *Flowering*. As it is impossible, in our varied extent of climate, to state the exact month any plant may flower in, we have adopted the simple plan of classing the different varieties into EARLY, INTERMEDIATE, and LATE flowering sorts. Thus:

No. 1 designates *early*.

No. 2 .. *intermediate*.

No. 3 .. *late-flowering plants*.

The fourth column gives the *Hardiness and Duration* :

A represents *Annual*, lasting but one year.

B .. *Biennial*, .. two years.

P .. *Perennial*, .. three or more years.

E .. *Evergreen*.

But as a large number of the Biennials and Perennials, if sown early, flower the first season, this distinguishing mark † is affixed to such :

h. represents *hardy*—plants for open borders.

hh. .. *half hardy*—plants that require to be forwarded in pots or frames.

t. .. *tender*—requiring protection.

g. .. *green-house plants*.

bu. .. *bulbous plants*.

S. .. *shrubs*.

The fifth column gives the color in full, except as abbreviated below. Thus :

ap. . . apetalous,	bff. . . buff,	lav. . . lavender,	scar. . . scarlet,
blk. . . black,	car. . . carmine,	ptd. . . painted,	spot. . . spotted,
br. . . brown,	cr. . . crimson,	pur. . . purple,	stri. . . striped,
tri. . . tricolor,	sul. . . sulphur,	var. . . variegated,	ver. . . vermilion.

The sixth column gives the comparative height of the plants in feet. *Trail*. signifies *trailing*; *Cr.* *creeping*.

The seventh column, the price ₧ packet.

FLOWER SEEDS

Flower Seeds mailed promptly, with postage paid, on receipt of amount annexed.

<i>All Flower Seeds delivered free by mail.</i>						<i>General Observations.</i>
	<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	
2065 <i>Abronia umbellata</i>	2	hA	rose	trail.	cts. 5	<i>Beautiful annual trailer.</i>
2075 <i>Abutilon Thompsonii</i> fol. var.	2 3	gS	y. st.	4	25	} <i>Fine for conservatories. Flowers striped, veined, and self colors. Very handsome, free bloomers.</i>
2078 <i>atrosanguineum</i>	2 3	..	d. red	..	25	
2080 <i>Darwini grandiflorum</i>	2 3	..	crim.	..	25	
2082 <i>mixed</i>	2 3	..	y. st.	..	25	
2085 <i>Acacia dealbata</i>	1	..	yel.	..	10	} <i>Fine green-house and conservatory shrubs, with gracefully drooping branches and fine racemes of yellow flowers, gratefully scented.</i>
2087 <i>Decaisneana</i>	1	..	..	..	10
2090 <i>melanoxydon</i>	1	..	..	..	10
2098 <i>ornithophora</i>	1	..	..	10	10
2100 <i>speciosa</i>	1	..	pur.	..	10	
2104 <i>fine mixed</i>	1	..	mixed	..	10	
2107 <i>Acanthus mollis</i>	3	hP	white	3	5	} <i>Fine large ornamental leaved plant with showy flowers.</i>
2108 <i>spinous</i>	2	..	pur.	..	10	
2118 <i>Aconitum Napellus</i>	2	..	blue	4	5	} <i>Monk's Hood. Pretty flowers. Very fine.</i>
2119 <i>Fischeri</i>	2	..	..	..	10
2120 <i>Adonis autumnalis</i>	2	hA	scar.	1	5	} <i>Pretty and hardy. Showy Spring flower.</i>
2122 <i>vernalis</i>	1	hP	yel.	½	5	
2128 <i>Agapanthus umbellatus</i>	1	tP	blue	1	10	} <i>A graceful tuberous-rooted plant, fine for the conservatory or the lawn.</i>
2129 <i>Ageratum conspicuum</i> var.	2	..	white	..	10	
2130 <i>Lasseauxi</i>	2	..	rose	..	5	} <i>Free flowering Annuals. Fine for bedding, and contrasting well with Geranium, Perilla, and Dwarf Amaranths.</i>
2132 <i>Mexicanum</i>	2	hhA	blue	1½	5	
2135 <i>—album</i>	2	..	white	..	5	
2138 <i>—“LITTLE GEM”</i>	2	..	blue	..	5	
<i>Agrostemma</i>						<i>See Rose Campion.</i>
2148 <i>Alonsoa grandiflora</i>	1 3	thhB	scar.	2	5	} <i>Very showy in flower, and fine habit. Should be kept in the house in cold weather, as the plants are rather tender. Sow in a hot-bed.</i>
2149 <i>—alba</i>	1 3	..	white	..	5	
2150 <i>linifolia</i>	1 3	..	scar.	1½	5	
2153 <i>myrtifolia</i>	1 3	..	..	2½	5
2155 <i>Warszewiczii</i>	1 3	..	..	2	5
2157 <i>Alstromeria pulchella</i>	1 2	gP	..	3	10	<i>Pretty for conservatory.</i>
2159 <i>Alyssum (Koniga) maritimum</i>	1 3	hA	white	trail.	5	} <i>Fine bedding plants. The first is the Sweet Alyssum; saxatile compactum is one of the finest, golden yellow.</i>
—compactum	1 3	..	..	..	10
2163 <i>saxatile compactum</i>	2	hP	yel.	1	5	
2165 <i>Wierzebecki</i>	1 3	1½	5	
2166 <i>argenteum</i>	1 3	½	5	

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		<i>Time of Flowering and Hardiness</i>	<i>Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
						cts.	
2167	Amarantus Abyssinicus*	2 3	hA	yel.	3	5	Ornamental leaved plants, Invaluable for bedding; foliage, crimson, variega- ted, yellow, &c., &c. The tricolor varieties are among the most valuable bedding plants; are also fine grown in pots.
2168	bicolor ruber*	2 3	..	red	2	5	
2168a	cruentus* (Prince's Feather)	2 3	..	d. red	3	5	
2170	giganteus*	2 3	..	pur.	6	5	
2182	Henderi*	2 3	tA	cr. & y.	4	10	
2184	magnificus*	2 3	..	..	..	10
2190	melancholicus ruber*	2 3	..	red	2½	5	
2192	salicifolius*	2 3	..	pur.	..	5	
2195	—" Prince of Wales"*	2 3	..	..	..	10
2196	sanguineus nanus*	2 3	..	scar.	..	5	
2197	tricolor* (Joseph's Coat)	2 3	..	mixed	diff.	5	Browallia. Green-house an- nuals. Very pretty.
2198	amabilis tricolor*	2 3	..	tri.	2	5	
2198a	atropurpureus*	2 3	..	dk. pur.	..	5	
2199	fine mixed*	2 3	..	r. & y.	..	10	
2202	Amethyst , winged	2	..	blue	..	10	
2204	white	2	..	white	..	10	
2206	Anagallis grandifl. fruticosa	1 3	hhP	ver.	2½	5	Bedding plants covered with flowers throughout the Summer. Warm, sunny spots are best.
2208	—Phillipsii	1 3	..	..	..	5
2220	—in vars.	1 3	..	mixed	2	5	
2223	Anchusa angustifolia	2	hP	pur.	..	5	Evergreen and pretty.
2230	Anemone coronaria	1	..	mixed	2	5	Anemones are very beautiful Spring flowers, and should be in every garden.
2233	Pulsatilla	1	..	..	½	5
2237	sylvestris	1	..	white	..	10	
2240	Angelonia grandiflora	3	gP	pur.	1	25	A tender herbaceous plant, bearing handsome flowers. Thrives in a light, rich soil. See Snapdragon.
Antirrhinum							
2245	Aquilegia caryophylloides	1 3	hP	striped	1½	5	The Columbines are fine early, free flowering, hardy border plants; every garden should have them. Nothing can be finer than beds of these.
2249	chrysantha	1 3	..	yel.	3	10	
2253	cœrulea	1 3	..	blue	..	25	
2255	—hybrida	1 3	..	sul.	..	25	
2257	Canadensis	1 2	..	r. & y.	2	10	
2265	Argemone grandiflora	2 3	..	white	..	5	Flowers large and poppy shaped
2273	Asclepias Cornuti	2	..	p.	4	5	Silkweed.
2276	Curassavica	1 3	gP	orange	..	5	Swallow-Wort; free bloomer.
2278	incarnata	2	hP	rose p.	3	5	Swamp Milkweed.
2283	Asperula setosa azurea	2 3	hhA	l. bl.	1	5	Sweet scented and profuse bloomers.
2285	odorata	2 3	hP	white	½	10	
2286	Aster , Shakespeare	2 3	hhA	mixed	3	25	These varieties are from Germany, and saved from the finest double sorts. Nothing can be finer than a bed of these in the Au- tumn. They can also be grown very nicely in pots for early blooming, and also for early Winter ornaments. They should be transplanted at least twice. The soil should be rich, and they should be well attended to, and they
2292	Pyramidal	3	..	..	..	10
2295	Bouquet, mixed	3	..	..	1	10
2296	Lilliput, mixed	2 3	..	..	..	10
2297	Very Dwarf or Pygmæa	2 3	..	..	..	10
2298	Chrysanthemum flowered	3	..	..	1½	10
2300	White "	3	..	white	..	10	
2301	" Dwarf	3	..	mixed	1	10	
2303	German quilled, mixed	3	..	..	..	5
2305	Globe "	3	..	..	..	5
2308	Large flowered rose	3	..	rose	..	10	
2310	Crowned, mixed	3	..	mixed	..	10	
2311a	Washington, white	3	..	white	2	25	
2311b	—peach blossom	3	..	rose	..	25	

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			<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
2311c	Aster, Washington, mixed	3	hhA	mixed	2	cts. 25		
2312	New Schiller	3	..	rose	1½	10		
2314	Dwarf white Bouquet	3	..	white	..	10		
2316	Goliath, mixed	3	..	mixed	..	10		Obs. continued.
2318	Imbricated	3	10		
2320	Pæony-flowered	3	10		will produce fine large flow- ers. Most are very distinct in their varieties and colors.
2324	Dwarf Pompon	3	1	10		
2325	Half Dwarf Multiflora	3	2	10		
2326	Truffaut's mixed	3	1½	10		
2328	—White “	3	..	white	..	25		
2329	—Crimson “	3	..	cr.	..	25		
2330	Dark blood red	3	..	red	..	25		
2335	Mixed China	3	..	mixed	1½	5		
2337	Perennial, mixed	3	hP	..	1to5	10		
2340	Aubrietia deltoidea	1	..	pur.	tra.	10		} Beautiful for rock work and bedding.
2341	Græca	3 5	..	..	..	10	
2342	Auricula, finest	1	..	mixed	½	25		Primula auricula, very fine.
2345	Azalea hybrida	2	hS	..	2	25		} From finest Chinese & Ghent varieties. Ghent are hardy.
2352	Balsams, white Paris	2	hhA	white	..	5		
2355	Crimson “	2	..	crim.	..	5		} The Balsams are one of the finest Summer flowering Annuals, being free bloom- ers and highly colored. Transplanting two or three times has a tendency to dwarf them and make the flowers very double. They can be grown in pots, and also from cuttings. They require a good soil and to be kept well watered. The colors are unsurpassed.
2360	Rose “	2	..	rose	..	5		
2364	Scarlet “	2	..	scar.	..	5		
2367	Mixed “	2	..	mixed	..	5		
2373	White Camellia-flowered	2	..	white	..	10		
2375	Crimson “	2	..	crim.	..	10		
2380	Violet spot'd “	2	..	spot.	..	10		
2383	Crim. “	2	..	..	..	10	
2385	Scarlet “	2	..	..	..	10	
2387	Rose “	2	..	rose	..	10		
2393	Scarlet “	2	..	scar.	..	10		
2394	Purple “	2	..	pur.	..	10		
2396	Lavender “	2	..	lav.	..	10		
2400	Light citron “	2	..	l. cit.	..	10		
2402	Mixed “	2	..	mixed	..	10		
2414	Double Solferino	2	..	spot.	..	10		
2418	Baptisia australis	2	hP	blue	..	5		Beautiful perennial herb.
2420	Bartonia aurea	2	hA	yel.	3	5		} Beautiful and hardy.
2421	aurea nana	2	..	..	1½	5	
2422	Beet, Brazilian*	2	hhA	mixed	..	5		} Beta. Beautiful ornamental foliage plants, fine for cen- ter of beds.
2424	Chilian*	2	..	..	..	5	
2426	Dell's Flower Garden*	2	..	dark	..	5		
2427	Ne Plus Ultra*	2	..	..	..	5	
2430	Large Ribbed Scarlet*	2	..	scar.	..	5		
2433	“ “ Yellow*	2	..	yel.	..	5		
2435	Crown Prince	2	..	red	..	5		
2437	Victoria	2	..	d. red	..	5		
2450	Begonia, fine mixed Seedling	1 3	gP	mixed	2	25		} Beautiful free flowering plants.
2451	Rex	1 3	..	..	½	25	
2453	Bidens atrosanguinea	2 3	hA	d. red	..	10		Showy, like the Coreopsis.
2457	Blue Bottle, small	2 3	..	mixed	..	5		Centauræa. Hardy and showy.

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2460	Bocconia cordata*	2 3	hP	white	3	cts. 10	} Ornamental for single specimens or groups.
2461	Japonica*	2 3	gP	..	4	10	
2463	Brachycome iberidifolia	3	hhA	pur.	1	5	} One of the finest for edgings. Should be sown in hot-bed.
2465	—alba	3	..	white	..	5	
2468	—in vars,	3	..	mixed	..	5	
Browallia elata							See Amethyst.
Cacalia							See Tassel Flower.
2473	Calandrinia discolor	2 3	..	rose	..	5	} Handsome, brilliant colors; should be planted in sunny situations. Fine for edgings.
2475	speciosa	2 3	..	pur.	1	5	
2480	umbellata	2 3	hhP	..	1	10	
2482	Calceolaria hybrida, finest	2 3	gP	mixed	2	25	} Seeds are saved from the finest varieties; are very fine, beautifully striped, blotched, and variegated.
2485	grandiflora, self-colored	2 3	..	..	..	25
2486	grandiflora tigrina pumila compacta, dwarf	2 3	..	..	..	50
2490	rugosa	2 3	..	..	..	25
2492	scabiosæfolia	2 3	..	yel.	..	10	
2492a	pinnata, for bedding	2 3	..	..	..	10
2493	Calendula officinalis plena	2 3	hA	orange	1	5	} The Pot Marigolds are fine for back grounds, being quite showy, especially Meteor.
2497	—nova, Nankeen	2 3	..	yel.	..	5	
2499	pluvialis	2 3	..	w. & p.	..	5	
2505	officinalis Meteor	2 3	..	yel.	..	5	
2506	Pongei fl. pl.	2 3	..	white	..	5	
2507	sicula, single yellow	2 3	..	yel.	..	5	
2507a	sicula fl. pl.	2 3	..	..	..	10
2508	Calliopsis bicolor marmorata	2 3	..	r. & y.	1½	5	} Fine, showy Annuals, (Coreopsis) abundant bloomers and bright colors.
2514	coronata	2 3	hP	spot.	..	5	
2516	Drummondii	2 3	hA	y. & br.	1	5	
2518	elegans picta	2 3	..	..	2	5
2520	Callirrhoe involucrata	1 3	..	c. & w.	tra.	5	} Free flowering, pretty colors, and blooming for a long time. Start in frame early.
2525	pedata	1 3	..	v. & w.	2	5	
2528	—nana	1 3	..	d. ro.	1	5	
2530	Campanula Carpatica	1	hP	blue	1	5	} One of the best known plants grown in the garden. The perennial species, if sown early in good soil, will bloom early the next season. The first two on list are very fine for edgings and beds. Nos. 2535 and 2545 may be grown in pots.
2533	—alba	1	..	white	..	5	
2535	grandiflora	2	..	blue	2	5	
2536	—alba	2	..	white	..	5	
2538	medium calycanthema	2 3	hB	..	..	10
2540	— — alba	2 3	..	..	..	10
2543	nobilis alba	3	..	..	3	10
2545	pyramidalis	3	thhP	blue	4	10	
2546	—albus	3	..	white	..	10	
2548	Candytuft, Iberis amara	1 2	hA	..	1	5	} Iberis. Showy Annuals for beds or edgings, sweet scented. They can be sown at any time in the house or open ground. The dwarf varieties are good bedders.
2552	coronaria (Rocket)	1 2	..	..	..	5
2555	odorata	1 2	..	..	..	5
2557	rosea carnea	1 2	..	rose	1	5	
2560	Dunnettii	1 2	..	d. c.	1	5	
2567	—lilacina	1 2	..	lilac	1	5	
2575	Dwarf Mixed Hybrid	1 3	..	mixed	1	10	
2576	affinis (very dwarf)	1 3	..	white	1	10	
2576a	Giant White	1 2	1	10	
2577	Mixed	1 2	..	mixed	..	5	

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2580	Canna , Dark leaved	1 3	gP	mixed	4	5	} <i>Cannas are very ornamental and tropical looking. Fine for lawns; very handsome.</i>
2581	Warszewiczii	1 3	..	blood r.	..	5	
2583	fine mixed	1 3	..	mixed	..	5	
2587	Canterbury Bells —Blue	1 3	thB	blue	2	5	} <i>Campanula or Canterbury Bells. Very ornamental for back borders. All the varieties are fine old plants and should be grown extensively.</i>
2590	White	1 3	..	white	..	5	
2593	Rose	1 3	..	rose	..	5	
2596	Mixed	1 3	..	mixed	..	5	
2598	Double Blue	2 3	..	blue	..	10	
2600	“ Rose	2 3	..	rose	..	10	
2603	“ White	2 3	..	white	..	10	
2605	“ Mixed	2 3	..	mixed	..	10	
2606	Capsicum annum, “Little Gem”	3	hhA	sc. p.	1	10	} <i>Good conservatory plant. Very pretty in fruit.</i>
2608	Carduus benedictus	2	hA	yel.	2	5		Blessed Thistle—pretty.
2610	Carnation Pink	2 3	hhP	mixed	..	10	} <i>Saved from the finest collections of Germany. Grown in pots and in good soil, no flowers can be finer. Are highly scented.</i>
2613	“ Double extra	2 3	..	..	..	25
2618	Tree or Perpetual, fl. pl.	1 3	..	..	1	50
2620	Rose-leaved	2 3	..	..	2	50
2622	Grenadine, single	1 3	..	red	..	10	
2626	Red Grenadine, Double	1 3	..	..	..	25
2638	Castilleia indivisa	2 3	..	b. red	1½	25	} <i>Very rich and free flowering. Good for backgrounds.</i>
Castor Oil Beans							
2640	Catananche alba	2 3	hA	white	2	25	<i>Everlasting flowers.</i>
2644	cerulea	2 3	thP	blue	..	25	<i>Bright colors, free flowering.</i>
Catch-Fly.							<i>See Silene.</i>
2646	Cedronella cana	2 3	..	pur.	..	5	} <i>Beautiful purplish crimson flowers.</i>
2647	Celosia Huttoni (dark foliage)	3	hA	claret	..	5	
2647a	plumosus, red	3	..	red	..	5	} <i>Fine plants for vases.</i>
2647b	“ beautiful Golden Feathered	3	..	yel.	..	10	
Celosia cristata							<i>See Cockscomb.</i>
2648	Centaurea Americana	3	hA	pur.	3	5	} <i>Nos. 2650, 2651, and 2655 are ornamental leaved plants, fine for ribbon borders and edgings of beds. The others are showy plants when in bloom.</i>
2650	candidissima, 1000 seeds \$1.	3	hhP	white	1	25	
2651	Clementei “ “ 50c.	2 3	..	..	..	10
2655	gymnocarpa “ “ 50c.	3	..	pur.	..	10	
2657	depressa	3	..	blue	..	5	
2658	Cyanus Emperor William	2	hA	..	1½	5	
2660	Centaureidium Drummondii	2	..	yel.	..	5	<i>Pretty little Composite.</i>
2663	Centranthus macrosiphon	1 3	..	red	1	5	} <i>Very pretty, free flowering Annuals. Suitable for rockeries and vases.</i>
2665	—albus	1 3	..	white	½	5	
2668	—nanus	1 3	..	red	..	5	
2671	Cerastium tomentosum	2 3	thP	white	..	25	<i>Fine edging plants. Pretty.</i>
2675	Chelone barbata coccinea	3	thhP	pur.	2	25	<i>Very pretty; bright color.</i>
2687	Chorozema varia	1 3	gS	scar.	3	10	} <i>A desirable plant, suitable for green-house or conservatory.</i>

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			Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
								cts.
Christmas Rose								See <i>Helleborus niger</i> .
2690	Chrysanthemum coronarium							
	album	2 3	hA	white	1½	5		Showy, free bloomers. The Annual species should be grown in gardens in large beds, where they will show their bright colors finely. Perfectly hardy. For bouquets or edging. <i>C. frutescens</i> is the Paris Daisy
2693	—Double Yellow	2 3	..	yel.	..	5		
2695	—Double Mixed	2 3	..	mixed	..	5		
2711	carinatum album	2 3	..	white	..	5		
2712	—luteum	2 3	..	yel.	..	5		
2714	—mixed "carinatum"	2 3	..	mixed	1	5		
2718	inodorum	2 3	..	white	..	10		
2721	frutescens	2 3	..	..	..	10	
2724	Burridgeanum	2 3	..	mixed	..	5		
2728	—hybridum, mixed	2 3	..	..	..	5	
2730	Indicum grandiflorum	3	hP	..	3	10		These are the old garden Artemistas, and bloom late.
2733	—pompon	3	..	..	1½	10	
2735	Cineraria hybrida	1	tgP	..	2	25		From the finest named flowers; very beautiful and showy, the colors being distinct and bright. Very handsome cool green-house plants.
2736	—rubra	1	..	lustrous	..	25		
2737	—grandiflora	1	..	mixed	..	25		
2738	—kermesina	1	..	crim.	..	25		
2743	—nana	1	..	mixed	1	25		
2745	—grandiflora alba	1	..	white	..	25		
2746	—Azure Blue	1	..	blue	..	25		
2750	—New Double	2	..	mixed	2	75		
2753	maritima	2	hhP	yel.	3	5		For ribbon gardening; have a silvery foliage.
2755	—candidissima	2	..	..	..	5	
2758	Clarkia elegans, Double	2 3	hA	mixed	1½	5		Very pretty, free flowering, and of easy cultivation. A bed of these is very beautiful, especially the double varieties. They are beautiful as edging plants or for vases, hanging baskets, etc. The double varieties are especially fine.
2761	—purpurea plena	2 3	..	pur.	..	5		
2762	—rosea do	2 3	..	rose	..	5		
2762a	—white do	2 3	..	white	..	5		
2763	pulchella	2 3	..	rose	..	5		
2765	—alba	2 3	..	white	..	5		
2768	White Tom Thumb	2 3	..	..	¾	5	
2772	pulchella marginata	2 3	..	bord.	1½	5		
2775	—integripetala	2 3	..	rose	..	5		
2778	mixed	2 3	..	mixed	..	5		
Clary, Purple top								See <i>Salvia hominum</i> .
Red top								
2782	Cleome arborea	2	gP	white	8	10		Curious; very ornamental, in the Castor Oil Bean style.
2783	sesquiorgyalis	2	..	pur.	..	10		
2785	Clanthus Dampieri	1 2	gS	scar.	3	10		Beautiful green-house plants, bearing large, showy, pea-shaped flowers.
2790	puniceus	1 2	..	crim.	6	10		
2792	Clintonia (Downingia) pulchella	2	hA	tri.	½	10		Very pretty for edgings.
2795	Cockscomb, Dwarf Crimson	2 3	..	crim.	1½	5		<i>Celosia</i> . If grown in good rich soil, the heads will be large and full and bright colored. Very pretty. Can be preserved for Winter Bouquets by cutting off the heads before they are ripe, and drying in the house.
2801	" Sulphur	3	..	sul.	..	5		
2803	" Orange	2 3	..	orang.	..	5		
2804	" White	3	..	white	..	5		
2806	" Tom Thumb	3	..	crim.	¾	5		
2808	" Prest. Thiers	3	..	..	..	10	
2810	" Glasgow Prize	3	..	purple	..	10		
2812	Japan Scarlet	3	..	scar.	3	5		
2816	" Yellow	3	..	yel.	..	5		

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		<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
2820	Cockscomb, New Moss Head	3	hA	var.	1	cts. 10	} See Obs. on preceding page.
2823	Mixed	2 3	..	mixed	3	5	
2833	Coleus*	2 3	gP	..	2	25	Splendid bedding plants.
2835	Collinsia Bartsiaefolia	2	hA	pur.	1	5	} Free flowering Annuals. If sown in Autumn, will stand the Winter, and flower early in Spring. All the species are good and of fine colors.
2838	bicolor	1 2	..	p. & w.	1½	5	
2840	candidissima	2	..	white	1	5	
2843	grandiflora	2	..	p. & w.	..	5	
2847	multicolor marmorata	2 3	..	w. & ro.	..	5	
2850	verna	1 3	..	bl. & o.	..	5	
2854	Collomia coccinea	2 3	..	s. & y.	..	5	} Fine for bees; also good for pot culture. They are very pretty.
2856	grandiflora	2 3	..	yel.	..	5	
2857	aggregata	2 3	..	..	..	25
2858	Columbine, Common Double	1 3	hP	mixed	2	5	} These are very free flowering. See Aquilegia.
2860	White	1 3	..	white	..	5	
2862	Commelina cœlestis	1	hhP	blue	1	5	} Showy, favorite plants, for pots and gardens, where they grow finely.
2865	—alba	1	..	white	..	5	
2868	variegata*	1	..	var.	2	5	
2870	Convolvulus minor	1 3	hA	tri.	1	5	} These are fine for growing in clumps or beds; and well adapted for rockeries and hanging-baskets, blooming for a long time.
2872	—albus	1 3	..	white	..	5	
2875	—unicaulis	1 3	..	pur.	..	5	
2876	—New Crimson Violet	1 3	..	crim.	..	5	
2877	—roseus	1 3	..	rose	..	5	
2877a	—tricolor, mixed	1 3	..	mixed	..	5	
2878	Coral Plant	2 3	gS	scar.	4	10	} Very handsome green-house shrub. Does well if planted out in Summer.
2880	Cordyline australis*	3	..	white	3	25	
2882	indivisa lineata*	3	12	25	} Beautiful flowering green-house shrubs.
2887	Cosmidium Burrigeanum	2	hA	orange	2	5	
2890	Cosmos bipinnata purpurea	2 3	..	pur.	..	5	Beautiful annual composite.
2892	Cotton	2 3	tA	yel.	3	5	Curious for pots.
2894	Cowslip	1	hP	mixed	½	10	Primula. Spring flower.
2900	Crucianella stylosa	2	..	pur.	..	10	A handsome Rubiaceæ.
2906	Cuphea miniata	3	thhP	crim.	1	10	} These are very pretty green-house plants, and are also good for the border, being constantly in bloom. No. 2915a is a hardy Annual, and very desirable.
2908	platycentra	1 3	..	s. & w.	..	10	
2910	purpurea	3	..	pur.	..	10	
2913	eminens	3	..	s. & y.	1½	10	
2914	Roezlii	1 3	..	y. & r.	1	25	
2915	strigulosa	1 3	..	violet	..	25	
2915a	lanceolata	1 3	hA	pur.	..	10	
2916	Cyclamen Persicum	1	gbu	w. ro.	½	25	Beautiful green-house bulb.
2918	Dahlia, Fine Double, from named flowers	3	thhP	mixed	6	10	} These are too well known as favorites with all to need a detailed description. All the varieties are beautiful.
2919	Double Dwarf	3	3	10	
2920	Single, fine strain	3	10	

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					<i>Price per Packet</i>	
2922 Daisy , Double White	1	thP	white	$\frac{1}{2}$	10	} <i>The poet's favorite.</i>
2923 Double Longfellow	1	..	rose	..	25	
2925 from finest collection Paris	1	..	mixed	..	25	
						<i>See Chrysanthemum frutescens.</i>
2933 Daphne Mezereum	1	hS	pink	3	25	} <i>Early flowering and finely scented shrub.</i>
2935 Datura metelloides	1 2	hhA	w. & b.	..	5	
2940 <i>fastuosa purpurea</i>	1 2	..	pur.	..	5	} <i>Very showy, large, trumpet-shaped flowers.</i>
2944 Delphinium cardiopetalum	2 3	hA	blue	1	5	
2945 <i>Cashmerianum</i>	2 3	thP	..	3	10	} <i>They are one of the handsomest plants for large gardens; varying in color from pale blue to the deepest tint.</i>
2946 <i>formosum</i>	2 3	..	..	..	10
						<i>See Pink, Carnation, and Picotee.</i>
Dianthus						
2594 Dicentra chrysantha	2	..	yel.	2	25	} <i>Curious and pretty dwarf herbaceous plants. The leaves, when rubbed, have a fine odor.</i>
2956 Dictamnus Fraxinella	1 2	hP	red	$1\frac{1}{2}$	10	
2958 — <i>alba</i>	1 2	..	white	..	10	
2960 — <i>mixed</i>	1 2	..	mixed	..	10	} <i>See Foxglove.</i>
Digitalis						
2964 Dracæna Draco*	2	gP	white	10	25	} <i>See Cordyltine. Ornamental green-house plants with elegant leaves.</i>
2966 <i>indivisa lineata*</i>	2	..	..	..	25
2968 <i>rubra*</i>	2	..	red	5	25	
2970 <i>Veitchii*</i>	2	..	white	3	25	
2972 Dracocephalum Moldavicum <i>pr. 1000 seeds</i>	3	thP	blue	2	5	} <i>Ornamental.</i>
2972a Echeveria farinosa , \$3.00	2	gP	yel.	$\frac{1}{2}$	25	
2972b <i>retusa nana</i> 1.00	2	..	..	..	25
2972c <i>secunda glauca</i> 2.00	2	..	..	..	25
2973 Elodes Virginica	2	hP	flesh	$1\frac{1}{2}$	10	} <i>Interesting green-house succulents, which are also largely used for carpet bedding.</i>
2978 Epacris hybrida superba	1 2	gS	mixed	div.	50	
2980 Erica , finest mixed	2 3	2	25	} <i>Pretty and ornamental plant.</i>
2983 Erinus alpinus	3	hP	blue	$\frac{1}{2}$	25	
2983a Eriogonum chrysocephalum	2	..	yel.	$1\frac{1}{2}$	10	} <i>Free blooming, like a Heath.</i>
2984 <i>ovalifolium</i>	2	..	..	..	10
2985a <i>umbellatum</i>	2	..	..	..	10
2986 Erysimum Arkansanum	1 2	hA	5	} <i>Charming evergreen shrubs.</i>
2988 <i>Peroffskianum</i>	1 2	..	orange	..	5	
2990 Eschscholtzia Californica	1 3	..	yel.	1	5	} <i>Beautiful for hanging-baskets.</i>
2990a — <i>alba</i>	1 3	..	white	..	5	
2990aa — <i>alba rosea</i>	1 3	..	wh. r.	..	5	
2990b — <i>aurantiaca</i>	1 3	..	orange	..	5	
2992 <i>crocea</i>	1 3	..	..	..	5
2995 — <i>plena</i>	1 3	..	..	..	5
2998 <i>tenuifolia</i>	1 3	..	yel.	..	5	
3000 <i>Mandarin</i>	1 3	..	o. r. crm	..	5	
3003 Eucharidium grandiflorum	1 2	..	rose	..	5	} <i>Very free bloomers for borders or rockeries. The last good for edging. Double are very showy. The bright yellow flowers are desirable in every garden, and are also fine grown in pots.</i>
3005 Eucnide Bartonoides	2	tA	yel.	2	10	

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3010	Eupatorium Fraseri	3	hP	white	2	5	} Fine for Winter bouquets; showy for back grounds.
3011	aromaticum	3	..	..	3	5
3012	purpureum	3	..	pur.	4	5	
3014	Euphorbia marginata*	3	hA	w. & gr.	2	5	Very pretty leaves, showy.
3020	Eutoca multiflora	3	hB	pink	1	5	} Are good serviceable flowering plants for bedding. Free blooming.
3022	viscida	1 3	hA	blue	..	5	
3026	Wrangeliana	1 3	..	..	..	5
3030	Fenzlia dianthiflora	1 2	..	rose	$\frac{1}{2}$	25	Pretty for ribbon gardening.
3033	Feverfew, Blood-colored	1 3	†hP	d. r.	2	10	} Pretty, fine for ribbon gardening.
3036	Flax, yellow (Linum)	2 3	†hhP	yel.	$\frac{3}{4}$	10	
3038	Large Crimson	2 3	hhA	crim.	..	5	} Fine, free flowering bedding plants; beautiful colors.
3040	Variegated	1 2	†hP	li. & w.	3	5	
Forget-me-not,							
3046	Myosotis alpestris	1 2	†hhP	blue	tra.	10	} All are beautiful. The Myosotis palustris is the true "Forget-me-not" of Europe. All the species are favorites, being early flowering.
3048	—alba	1 2	..	white	$\frac{1}{2}$	10	
3049	—elegantissima	1 2	..	mixed	..	10	
3050	Azorica	1 2	..	d. b.	..	10	
3054	—coelestina	1 2	..	l. b.	..	25	
3056	dissitiflora	1	..	blue	..	10	
3058	palustris	1 2	†hP	b. & w.	$\frac{3}{4}$	10	
3062	sylvatica	1 2	..	blue	1	10	
3065	Foxglove, (Digitalis) White	2	..	white	3	5	} The Foxgloves are showy for back grounds and borders, and are beautiful when planted among shrubs.
3068	Yellow	2	..	yel.	1 $\frac{1}{2}$	5	
3070	Large-flowered	1 2	..	l. y.	..	5	
3072	Rose	1 2	..	rose	..	5	
3075	Purple	1 2	..	pur.	..	5	
3078	Gloxinia-like, White	2 3	..	white	3	5	
3080	Gloxinia-like, Rose,	2 3	..	rose	..	5	
3082	gloxinoides, mixed	2 3	..	mixed	4	5	
3087	Mixed	1 2	..	..	div.	5
3089	Four O'Clocks, Hybrid	2 3	tA	..	2	5	} Mirabilis. Handsome, free flowering, sweetly scented; blossoms variegated, striped, and various colors.
3090	“ longiflora alba	2	..	white	..	5	
3091	“ Variegated-leaved	2 3	..	mixed	..	5	
3091a	“ new Dwarf White	2 3	..	white	1	10	
3092	Fragaria Indica	1 2	hP	yel.	$\frac{1}{2}$	25	Beautiful scarlet fruit.
3093	Frasera speciosa	3	..	gr. wh.	3	10	} Bears numerous flowers.
3094	“ Parryi	2	..	white	..	10	
3095	Fuchsia, single, in vars.	1 3	gS	mixed	div.	50	} “Ladies' Ear Drop.” Well known green-house plants. Showy and free bloomers. They are good bedders, very beautiful, fine for bouquets, and should be more generally cultivated.
3096	Gaillardia amblyodon	2 3	†hhP	fine r.	2	10	
3097	picta	2 3	..	yel.	..	5	
3098	—Lorenziana	2 3	..	mixed	..	10	
3099	—Aurora Borealis	2 3	..	sc. & y.	..	5	
3102	—salmon red	2 3	..	sal.	..	5	
3108	Galega officinalis	1 2	hP	blue	3	5	} Ornamental tall plants for borders.
3110	—alba	1 2	..	white	..	5	
3112	Gamolepis Tagetes	1	hhA	yel.	1	5	} Fine for beds.
3114	Gardenia Thunbergii	1	gS	white	2	25	
3116	Gardoquia Betonicoides	3	†hhP	pur.	1 $\frac{1}{2}$	10	Worthy of cultivation.

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3118 Gaura Lindheimeriana	1 2	hhA	w. & r.	3	5	} <i>These are easily cultivated. Fine showy hardy plants. Should be in every collection of Perennials for the beauty of the flowers.</i>	
3120 Gentiana acaulis	1	hP	d. b.	$\frac{1}{2}$	10		
3121 <i>campestris</i>	2	hA	pur.	$\frac{1}{2}$	10		
3124 <i>cruciata</i>	2	hP	blue	1	10		
3129 Geranium, Scarlet, (Zonale)	1 3	gP	scar.	1 $\frac{1}{2}$	10	} <i>Saved from fine named varieties. Are especially fine colors. The so called Scarlet Geranium is a Pelargonium.</i>	
3132 <i>(Zonale) Tom Thumb var.</i>	1 3	..	mixed	..	10		
3137 Apple Scented	1 2	..	pink	$\frac{1}{2}$	25		
3138 <i>—sanguineum</i>	2 3	hP	d. pur.	1	50		
3141 Gesnera macrantha	2	gP	scar.	$\frac{1}{2}$	50	} <i>Beautiful green-house plants, with long-tubed flowers.</i>	
3143 <i>extra mixed</i>	2	..	mixed	..	50		
3145 Geum Chiloense coccineum pl.	2	hP	scar.	1 $\frac{1}{2}$	5	<i>Blooms freely for a long time.</i>	
3152 Gilia capitata	1 2	hA	blue	1	5	} <i>Free-flowering Annuals—fine for beds. Will bloom in any situation, look well on lawn in beds, are good for rockeries, and can be planted at any season.</i>	
3153 <i>—alba</i>	1 2	..	white	..	5		
3154 <i>laciniata</i>	1 2	..	..	$\frac{1}{2}$	5		
3156 <i>linifolia (for borders)</i>	1 2	..	..	..	5		
3158 <i>nivalis</i>	1 2	..	..	1	5		
3160 <i>tricolor</i>	1 2	..	tri.	..	5		
3161 <i>—splendens</i>	1 2	..	pur. sc.	..	5		
3167 <i>mixed</i>	1 2	..	mixed	..	5		
3170 <i>rosea splendens</i>	1 2	..	rose	..	5		
3172 Glaucium luteum	2 3	hP	yel.	2	5	<i>Horned Poppy.</i>	
3173 Globularia trichosantha	2	gP	blue	$\frac{1}{2}$	10	<i>A very handsome plant.</i>	
3174 Gloxinia, mixed	1 3	..	mixed	..	50	} <i>Green-house plants. They grow well in a light rich soil</i>	
3175 <i>hybrida grandiflora</i>	1 3	..	crim.	..	50		
3176 <i>crassifolia</i>	1 3	..	mixed	..	50		
3177 <i>—grandiflora horizontalis</i>	1 3	..	..	..	50		
3182 Godetia splendens	1 3	hA	p. r.	1	5	} <i>All are fine, profuse flowering, hardy Annuals, the colors being beautiful. Can be grown in pots. G. Whitneyi, the largest flowered, of a crimson blush, makes a fine pot plant, and is good for the rockery.</i>	
3183 <i>Princess of Wales</i>	1 3	..	d. cr.	1 $\frac{1}{2}$	10		
3184 <i>rubicunda, double</i>	1 3	..	red	..	5		
3188 <i>—The Bride</i>	1 3	..	w. & c.	..	5		
3189 <i>—Duchess of Albany</i>	1 3	..	white	..	10		
3190 <i>—Lady Albemarle</i>	1 3	..	crim.	..	5		
3190a <i>Lindleyana</i>	1 3	..	..	1	5		
3190c <i>“Bijou”</i>	1 3	..	blush.	2	5		
3190d <i>Whitneyi</i>	1 3	..	d. rose	1 $\frac{1}{2}$	5		
3191 <i>—Brilliant</i>	1 3	..	car.	..	10		
3194 <i>Schamini</i>	2 3	..	w. spo.	..	5		
3195 <i>mixed</i>	1 3	..	mixed	..	5		
Golden Feather						<i>See Pyrethrum.</i>	
3196 Grammanthes gentianoides	2	hhA	yel.	$\frac{1}{2}$	10	<i>For edgings, pots, or baskets.</i>	
3197 Grindelia squarrosa	3	P	..	2	10	<i>Pretty plants, easily grown.</i>	
3200 Gutierrezia gymnospermoides	2	hP	..	1	5	<i>For baskets. Yellow flowerers.</i>	
3206 Gypsophila elegans	1 2	..	white	..	5	} <i>Fine for bouquets. Free bloomers for rockwork or shrubbery, and will grow in any soil.</i>	
3207 <i>—rosea</i>	1 2	..	rose	..	5		
3211 <i>muralis</i>	1 2	hA	pink	$\frac{1}{2}$	5		
3213 <i>paniculata</i>	1 2	hP	white	2	5		

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3218 Hawkweed, Bearded	3	hA	yel.	2	cts. 5	}	Hieraceum. Showy plants of free growth.
3220 Red	3	..	rose	..	5		
3222 White	3	..	white	..	5		
3225 Helenium Douglasii	2 3	hP	yel.	..	5	}	Free flowering Composite, with yellow flowers.
3230 Heliotropium Peruvianum	1 3	gP	pur.	..	10		
3235 —Chieftain, dark	1 3	..	d. pur.	..	10	}	Heliotrope. These well-known favorites are highly valued for their scented flowers. Light rich soil.
3242 —Voltairianum	1 3	..	..	..	10		
3244 —in vars.	1 3	..	mixed	..	10		
3248 Helleborus niger	1 2	hP	pink	1	10	}	Christmas Rose. Very desirable; spring flowering. See Rocket.
Hesperis							
3252 Hibiscus Africanus	2 3	hA	yel.&br.	2	5	}	All the genus are beautiful when blooming, and are striking ornaments of the garden. Should be sown in moist soil.
3257 militaris	2 3	hhP	pur.	3	10		
3258 Moscheutos	2 3	hP	rose	..	10		
3259 Californicus	2 3	..	flesh	..	10		
3260 Syriacus, double	2 3	hS	w. & p.	6	10		
3265 HOLLYHOCK, Double White	3	thP	white	4	10	}	From named varieties, of all shades of color.
3267 Double mixed	3	..	mixed	..	10		
3269 Single mixed	3	..	..	..	5		
3272 Honesty, Lunaria annua	2 3	thB	white	2	5	Curious and pretty.	
3274 Humea elegans	1 3	thhP	rose	5	10	}	Sweet scented. They are beautiful plants, but require to be kept in pots first season.
3275 —albida	1 3	..	white	..	10		
3276 Hunnemannia fumarifolia	2 3	..	yel.	1	5	Large showy flowers.	
3281 Hypericum elegans	2	hP	..	1½	10	Showy bright green leaves.	
3282 Iberis sempervirens	1	..	white	¾	10	Very pretty. See Candytuft.	
3284 Ice Plant	2 3	tA	..	½	5	Curious and pretty.	
3286 Impatiens glanduligera	2	..	pur.	1½	10	}	Beautiful and singular. See Balsams.
3292 Ionopsidium acaule	1 3	thhP	blue	¾	10		
3294 Ipomopsis aurantiaca	3	thB	oran.	1½	5	}	Showy and beautiful; colors very bright. The seed should be started in the house.
3298 elegans	2 3	..	scar.	3	5		
3299 sanguinea	1 3	hB	..	1½	5		
3302 Iris Kæmpferii	1 2	hP	mixed	2	5	Beautiful Iris.	
3305 Isotoma petraea	1	hhA	cream	1	10	}	Showy and beautiful; resembles the Lobelia.
3308 Jacob's Ladder	2	hP	blue	..	5		
3310 White	2	..	white	..	5	}	Beautiful and hardy old-fashioned flowers.
3312 Jacobæa, White Senecio	2	hA	..	..	5		
3316 Purple	2	..	pur.	..	5	}	The Senecios are all free-flowering plants, good for the border and for pots.
3320 Mixed	2	..	mixed	..	5		
3322 Joseph's Coat*	3	tA	tri.	2	5	Variegated foliage. See also Amaranthus.	

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3324	Kanlfussia amelloides	2	hA	blue	1	5	} <i>Fine for edgings; good habit and color. The high colors for pots.</i>
3327	—atroviolacea	2	..	d. v.	..	5	
3328	—alba	2	..	white	..	5	
3332	—kermesina	2	..	v. & red	..	5	
3333	—in vars.	2	..	mixed	..	5	
3334	Lantana in vars.	1 3	gS	..	2	5	} <i>Fine bedding, and one of the best green-house plants.</i>
3336	Larkspur, Dwarf Rocket	2 3	thB	..	1	5	
3338	Chinese	2 3	thP	..	2	5	} <i>Fine free blooming plants. Should be in every garden, being very rich in color. Nothing can be finer when in flower. See also Delphinium.</i>
3340	Mixed Hybrid	2 3	..	..	1	10
3342	Branching	2 3	hA	..	2	5	
3343	Ranunculus-flowered	2 3	thP	..	1	5	
3346	Bee	2 3	..	b. & w.	3	5	
3348	Lasthenia Californica	1	hA	yel.	1	5	<i>One of the yellow Composites.</i>
3349	Lathyrus splendens	2 3	hP	rose	trail.	10	} <i>Handsome pea-shaped flowers, for trellis or arbors.</i>
3350	Lavatera trimestris	2	hA	red	2	5	
3352	—alba	2	..	white	..	5	} <i>Showy and free flowering. L. arborea has beautifully mottled foliage.</i>
3353	arborea variegata	2	hhP	red	3	25	
3354	Lemon Verbena	2 3	gP	10	} <i>Aloysia citriodora. Fine lemon scent.</i>
3356	Leontopodium alpinum	3	hA	..	1	25	
3358	Leptosiphon aureus	2	..	orange	$\frac{1}{2}$	5	} <i>Curious. The Edelweiss of the Swiss Mountains.</i>
3360	androsaceus	2	..	blue	1	5	
3361	—alba	2	..	white	..	5	
3374	hybridus	1 3	..	mixed	..	5	
3382	Liatris scariosa	2 3	hP	purple	2	10	} <i>Fine free flowering plants.</i>
3384	spicata	2 3	..	..	3	10
3388	Limnanthes Douglasii	2 3	hA	w. & y.	1	5	<i>Free flowering and fragrant.</i>
3390	Linaria bipartita alba	2	..	white	..	5	} <i>Snapdragon-shaped flowers. Desirable for edgings, and very charming for rockwork.</i>
3390a	—splendida	2 3	hhA	pur.	$\frac{1}{2}$	5	
3391	maroccana	2 3	..	rose	$\frac{1}{4}$	5	
3391a	reticulata aurea-purpurea	2 3	..	y. & pur	..	5	
3393	Cymbalaria (<i>Kenilworth Ivy</i>)	2 3	..	violet	trail.	5	
Linum							<i>See Flax.</i>
3395	Lisianthus Russellianus	2 3	gA	blue	1 $\frac{1}{2}$	25	<i>Splendid, like the Gentians.</i>
3396	Loasa aurantiaca	2 3	hhA	orange	6	5	} <i>Beautiful and curiously formed flowers.</i>
3398	tricolor	2 3	hA	tri.	2	5	
3400	Lobelia cardinalis	2	hP	scarlet	..	10	} <i>All the Lobelias are suitable for beds, edgings, and ribbon borders. L. gracilis is fine for hanging baskets or vases. L. E. speciosa and vars. are the finest edging plants, and contrast beautifully with Scarlet Geraniums.</i>
3406	Erinus grandiflora superba	1 3	hhP	d. b.	$\frac{1}{2}$	10	
3412	—speciosa	1 3	..	..	..	10
3414	—Paxtoniana	1 3	..	b. & w.	1	10	
3415	— CRYSTAL PALACE compacta	1 3	..	blue	..	10	
3415a	—mixed	1 3	..	mixed	..	10	
3415b	—kermesina	1 3	..	crim.	..	10	
3416	gracilis	1 3	tA	blue	trail.	10	
3416a	—alba	1 3	..	white	..	10	
3420	Lindleyana rosea	1 3	..	rose	1	10	
3422	ramosa	1 3	thhP	blue	..	10	

All Flower Seeds delivered free by mail.

		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
3428	Lotus Jacobæus	1	gA	d. & br.	2	5	Pretty and interesting. Winged Pea.
3430	tetragonolobus	2	hA	yellow	$\frac{3}{4}$	5	
3432	Love-Lies-Bleeding	2	..	crim.	3	5	Graceful, showy flowers, good for back grounds. <i>Nigella</i> . Curious and or- namental; fennel-leaved; easily grown and hardy. Dwarf variety pretty.
3434	Love-in-a-Mist	1 2	..	blue	1	5	
3436	Blue Spanish	1 2	..	..	..	5
3438	White Spanish	1 2	..	white	..	5	
3444	Lupinus albus	2 3	2	5	The <i>Lupin</i> family, annual or perennial, are among the most beautiful ornaments of the garden. Some are specially charming, having spikes of highly-colored flowers, silvery foliage, and good habit, especially Nos. 3454 and its variety, 3463, 3472, 3479, and 3487, though all the perennials are fine in habit and color. They will flourish in any soil, but a rich loam will produce the finest plants and flowers. The dwarf species make the best bed- ding plants. The flowers are pea-shaped and the plants free flowering, merit- ing extensive cultivation.
3445	argenteus	2 3	hP	..	1 $\frac{1}{2}$	10	
3446	atroviolaceus	2 3	..	v. & w.	2	5	
3449	arboreus	2 3	..	yellow	4	10	
3450	Cruikshankii	2 3	..	var.	3	5	
3452	Dunnetti superbus	2 3	..	..	..	5
3454	Hartwegii	2 3	..	b & pk.	..	5	
3456	—albus	2 3	..	white	..	5	
3458	celestinus	2 3	..	l. b.	..	5	
3460	hirsutus	1 3	..	blue	2	5	
3460a	—ruber	2 3	..	rose	..	5	
3463	hybridus insignis	2 3	..	d. r.	..	5	
3464	—atrococcineus	2 3	..	d. scar.	..	5	
3465	luteus	2 3	hA	yellow	..	5	
3470	mutabilis	2 3	..	var.	3	5	
3472	nanus	1 3	..	b. & v.	$\frac{1}{4}$	5	
3473	parviflorus	2	..	li. bl.	1 $\frac{1}{2}$	10	
3475	pilosus	2 3	..	rose	2	5	
3479	polyphyllus	2 3	hP	blue	..	5	
3483	pubescens	2 3	thB	violet	3	5	
3487	subcarnosus	2 3	hA	li. & ro.	1	5	
3489	sulphureus	2 3	..	sul.	..	5	
3493	tricolor elegans	2 3	hP	o. & ro.	3	5	
3498	mixed	2 3	..	mixed	..	5	
3500	Lychnis Chalcedonica	1 2	..	scarlet	2	5	Showy plants for borders, being free bloomers. They are finely colored, and should be in every garden.
3505	—alba	1 2	..	white	..	5	
3507	fulgens	1	tP	scarlet	1	10	
3509	Haageana hybrida	1	hP	mixed	..	10	
3513	Madia elegans	2	hA	yellow	2	5	Handsome flowers, but should be in a shady position.
3517	Malope grandiflora	2 3	..	red	..	5	Mallow-like flowers, and very pretty. Sow early.
3520	—alba	2 3	..	white	..	5	
3524	Malva miniata	2 3	gP	scarlet	4	5	Beautiful.
3530	Marigold , African	2 3	hA	lemon	2	5	Tagetes. Saved from finest double flowers. They are highly ornamental in the fall. The dwarf varieties are useful for bedding.
3531	—mixed	2 3	..	mixed	..	5	
3534	Dwarf, striped	2 3	..	striped	$\frac{1}{2}$	5	
3535	Dwarf Gold Striped	2 3	..	..	..	5
3537	French	2 3	..	orange	..	5	
3538	French, mixed	2 3	..	mixed	..	5	
3540	Ranunculus	2 3	..	striped	1 $\frac{1}{2}$	5	
3547	Martynia Craniolaria	2 3	hhA	w. & sp.	..	5	Curious, but very handsome plants, for the border.
3549	proboscoidea maculata vio- lacea	2 3	..	vio. sp.	..	5	
3550	lutea	2 3	..	yellow	..	5	

Marvel of Peru

See Four O' Clocks.

All Flower Seeds delivered free by mail.		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
3556	Matricaria <i>parthenioides plena</i>	2 3	hA	white	2	5	Feverfew. Pretty. Double flowering.
3556a	<i>eximia plena</i>	2 3	hhP	..	..	5
3557	Mathiola <i>bicornis</i>	2 3	hhA	..	$\frac{1}{2}$	5	See, also, "Stocks."
3558	MEGARRHIZA <i>Californica</i>	1	hP	..	20	10	Vine 20 to 30 feet; fine for trellis and arbors.
3560	Melilotus <i>cœrulea</i>	3	..	blue	$1\frac{1}{2}$	5		Ornamental. Like the Lotus.
3570	Mesembryanthemum <i>tricolor</i>	1 2	tA	tri.	$\frac{1}{2}$	5	Beautiful dwarf edging plants, flowering profusely in dry sunny situations. Curious and beautiful.
3573	—album	1 2	..	white	..	5	
3575	<i>cordifolium variegatum</i>	1 2	..	yellow	1	25	
3576	<i>glabrum</i>	1 2	..	..	$\frac{1}{2}$	10
3578	Mignonette , Sweet-scented	2 3	hA	w. & bf.	..	5	Reseda, the well-known Frenchman's darling. Highly scented and very desirable, flowering freely. If wanted in Winter seeds should be sown in July.
3579	<i>odorata grandiflora</i>	2 3	..	..	..	5
3580	<i>ameliorata</i> , Red	2 3	..	cr. & bf.	..	5	
3581	<i>aurea</i> , Golden Queen	2 3	..	b. yel.	..	5	
3582	<i>pumila compacta</i> , dwarf	2 3	..	w. & bf.	$\frac{1}{2}$	5	
3583	Machet, new and beautiful	2 3	..	..	$\frac{1}{2}$	25
3584	<i>Victoria</i> , dark red	2 3	..	red	..	10	
3585	<i>Crimson Queen</i>	2 3	..	crim.	..	5	
3587	<i>Parsons's White</i>	2 3	..	white	..	5	
3590	<i>Giant Pyramidal</i>	2 3	..	red	$1\frac{1}{2}$	5	
3594	<i>Upright</i>	2 3	..	white	1	5	
3595	<i>Miles's Spiral</i>	2 3	..	cr. & bf.	..	5	
3598	Mimulus <i>hybridus cupreus</i>	1 3	hP	mixed	$1\frac{1}{2}$	10	Monkey Flower, very showy, musk scented, and free flowering. The hardy kinds are well suited for borders. Any common soil suits.
3603	<i>cardinalis</i>	1 2	..	scarlet	..	10	
3608	<i>roseus superbus</i>	1 3	..	rose & y.	..	10	
3610	<i>Roetzlii</i>	2 3	..	yellow	$\frac{1}{2}$	25	
3612	<i>tigridioides</i>	1 3	tgP	spot.	1	10	
3615	<i>Lewisii</i>	2 3	hP	pa. pur.	$\frac{1}{2}$	25	
Monk's Hood							See Aconitum.
Mourning Bride							See Scabiosa.
3620	Musa <i>Ensete</i>	1 2	gP	y. & br.	10	50	To this genus belong the Banana and Plantain.
3625	Musk Plant	1 3	tA	yellow	$\frac{1}{2}$	10		Musk scented Mimulus.
3630	Myrtle , Broad-leaved	1 2	gS	white	3	10	Myrtus. Green-house shrub.
3631	Nægelia <i>hybrida</i>	2	gP	scar.	$\frac{1}{2}$	25	One of the Gesneraceæ, with the leaves richly veined.
3633	Nasturtium , (Tom Thumb)	1 2	hA	yellow	$\frac{1}{2}$	5	
3639	—Spotted	2 3	..	s. spot.	..	5	Tropæolum. Beautiful bedding plants. Planted in poor soil they flower profusely, and for a long time. The colors of these plants cannot be exceeded. The dwarf varieties should be planted so that they will contrast either with white or blue flowers. The foliage is also beautiful, being dark green.
3645	—Black	2 3	..	black	..	5	
3647	—Bluish Rose	2 3	..	blue	1	5	
3650	—Ruby King	2 3	..	red	..	5	
3654	—Cream-colored (Pearl)	2 3	..	cream	..	5	
3657	—Scarlet	2 3	..	scarlet	..	5	
3660	—Rose	2 3	..	rose	..	5	
3662	—Empress of India	2 3	..	crim.	..	10	
3666	—King of Tom Thumbs	2 3	..	scarlet	..	5	
3668	—Golden	2 3	..	gold	..	5	
3670	—Crystal Palace Gem	2 3	..	y. & cr.	..	5	
3672	<i>Cattel's Dwarf Crimson</i>	2 3	..	crim.	..	5	
3674	<i>Tom Thumb</i> , mixed	1 2	..	mixed	..	5	

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		<i>Time of Flowering and Hardiness</i>	<i>Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
3677 <i>Nemesia compacta alba</i>	2 3	tA	white	1½	10	}	<i>Very pretty, neat flowering plants for edges.</i>
3678 — <i>cærulea</i>	2 3	..	rose&bl	..	10		
3680 <i>Nemophila atomaria</i>	1 3	hA	w&pur	1	5	}	<i>This genus consists of very pretty annuals of easy culture and deserve extensive cultivation; are good in pots, as edgings, in rockeries, or the garden.</i>
3682 — <i>oculata</i>	1 3	..	b. & w.	..	5		
3684 <i>discoidalis</i>	1 3	..	pur.	..	5		
3686 <i>insignis</i>	1 3	..	blue	..	5		
3690 — <i>alba</i>	1 3	..	white	..	5		
3694 — <i>marginata</i>	1 3	..	bord.	..	5		
3696 — <i>striata</i>	1 3	..	stri.	..	5		
3698 <i>maculata</i>	1 3	..	spot.	½	5		
3700 <i>mixed</i>	1 3	..	mixed	div.	5		
3701 <i>Nertera depressa</i>	2 3	hP	white	cr.	25	}	<i>A low, compact, handsome plant. Coral berries.</i>
3702 <i>Nicotiana affinis</i>	2 3	hhA	..	3	10		
3703 <i>Nierembergia gracilis</i>	1	gP	w. & li.	1	10	}	<i>New species of Tobacco. Deliciously fragrant flowers.</i>
3706 <i>frutescens</i>	2 3	hP	..	2	10		
3706a <i>Nigella</i>							<i>See Love-in-a-Mist.</i>
3707 <i>Nolana atriplicifolia</i>	2	hA	b.w.&y	½	5	}	<i>Are very showy when in flower, and should be planted in the border. Fine trailing plants.</i>
3710 — <i>alba</i>	2	..	white	..	5		
3713 <i>lanceolata</i>	2	..	b. & w.	..	5		
3716 <i>paradoxa violacea</i>	2	..	b. & v.	1	5		
3718 <i>prostrata</i>	2	..	blue	trail.	5		
3720 <i>Nycterinia selaginoides</i>	2 3	hhP	pink	¾	5	}	<i>Pretty dwarf plants.</i>
3721 <i>capensis</i>	2 3	..	w. b.	..	5		
3722 <i>Obeliscaria pulcherrima</i>	2	½hP	r. & y.	3	5		<i>Showy bedding plant.</i>
Enothera.							<i>See Evening Primrose.</i>
3724 <i>Oleander</i>	2	gS	rose	6	5	}	<i>Fine shrub for the greenhouse or lawn.</i>
3727 <i>Orobis lathyroides</i>	2 3	hP	blue	1½	5		
3730 <i>niger</i>	2 3	..	purple	3	5	}	<i>These deserve a place in gardens. Elegant pea-blossoms.</i>
3733 <i>Oxalis Valdiviana</i>	2	tP	yel.	½	10		
3737 <i>Oxyura chrysanthemoides</i>	2 3	hA	..	trail.	5		<i>Showy Composite.</i>
3740 <i>Pæonia officinalis</i>	2	hP	red	1½	5	}	<i>Beautiful hardy plants with large handsome blooms.</i>
3744 <i>Sinensis</i>	2	..	blush	..	10		
3746 <i>Palafoxia Hookeriana</i>	3	hA	5		<i>Very good Everlasting.</i>
3750 <i>Palava flexuosa</i>	2 3	hhA	pk.&d.	..	5		<i>Pretty.</i>
3752 Pansy, Black	1 3	½gP	blk.	¾	10	}	<i>Viola tricolor. All the varieties are saved from fine, choice flowering plants. They cannot be surpassed in color or blooming qualities. They should be carefully cultivated, and they</i>
3753 <i>Lord Beaconsfield</i>	1 3	..	violet	..	10		
3754 <i>Quadricolor</i>	1 3	..	4-color.	..	10		
3755 <i>Striped</i>	1 3	..	striped	..	10		
3758 Emperor WILLIAM	1 3	..	blue	..	10		
3759 <i>Fawn Color</i>	1 3	..	fawn	..	10		
3760 <i>Light-blue</i>	1 3	..	l. bl.	..	10		
3762 <i>Violet margined</i>	1 3	..	mar.	..	10		
3763 <i>Gold margined</i>	1 3	10		
3765 Five Blotched (Odiar)	1 3	..	spot.	..	50		

For continuation see next p.

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3768	Pansy, Black-blue *	1 3	†gP	bk.&bl.	$\frac{1}{2}$	10	Obs. continued. will richly pay for good treatment in their large flowers and foliage. The seeds should be sown early in autumn, or very early in spring, and preferably in a frame.
3769	Bronze colored	1 3	..	..	..	10
3770	White	1 3	..	white	..	10	
3773	Azure-blue	1 3	..	blue	..	10	
3777	Pure Yellow	1 3	..	yel.	..	10	
3781	Candidissima, "Snow Queen"	1 3	..	white	..	10	
3785	Hybrid, largest	1 3	..	mixed	..	25	
3786	atropurpurea	1 3	..	d. pur.	..	10	
3787	atropurpurea alba-marginata	1 3	..	pr.& w.	..	10	See <i>Chrysanthemum frutescens</i> .
3788	mixed	1 3	..	mixed	..	10	
Paris Daisy.							
3790	Pelargonium, fancy	2 3	gP	..	2	25	Beautiful green-house plants. The seed was saved from fine varieties.
3793	grandiflorum	2 3	..	..	3	50
3796	peltatum	2 3	..	pur.	2	50	
3803	Pentstemon centranthifolius	2 3	hP	ver.	2	10	Among the most beautiful of our herbaceous perennials, and should be grown extensively, being very hardy and free flowering. As bedding plants nothing can be more ornamental. They do best in a mixture of loam and leaf mould.
3813	Jaffrayanus	2 3	..	az. bl.	1	10	
3820	spectabilis	2 3	..	pur.	4	10	
3821	cordifolius	2 3	..	scarlet	..	10	
3822	ternatus	2 3	..	p. scar.	3	10	
3823	var. cyananthus	2 3	..	blue	..	10	
3824	mixed	2 3	..	mixed	var.	10	
3830	Perilla Nankinensis*	2	hhA	pur.	1 $\frac{1}{2}$	5	Ornamental leaved, for ribbon gardening and beds.
3837	laciniatus*	2	..	..	..	5
3840	Persicaria, Red	3	hP	red	..	5	Showy for back grounds.
3842	—White	3	..	white	..	5	
3850	Petunia grandiflora alba	2 3	†hhP	..	2	5	These are very ornamental plants, free flowering, fragrant and beautiful flowers, and continue a long time in bloom. They do well in the garden, house, or conservatory, and will thrive in almost any kind of soil.
3853	—purpurea	2 3	..	pur.	..	5	
3855	German Dark Purple	2 3	..	..	1 $\frac{1}{2}$	25
3857	Countess of Ellesmere	2 3	..	pr.& w.	..	10	
3858	hybrida unicalis	2 3	..	pur.	..	50	
3860	German Kermesina	2 3	..	crim.	..	25	
3861	Emperor	2 3	..	mixed	..	25	
3863	plena, Finest Double	2 3	..	..	..	75
3864	Double Lilliput	2 3	..	..	1	75
3866	Finest Single mixed	2 3	..	..	1 $\frac{1}{2}$	25
3868	mixed single	2 3	..	..	..	5
3870	New Double Fringed	2 3	..	..	..	75
3871	"Inimitable" nana compacta multiflora	2 3	$\frac{3}{4}$	10	Charming.
3871a	venosa	2 3	..	..	1 $\frac{1}{2}$	10
3872	Phacelia congesta	2	hP	pur. bl.	..	5	Fine for Bees.
3873	Phlox Drummondii alba	2 3	hA	white	1	10	This is a very elegant genus of flowering plants, being highly colored, especially <i>P. Drummondii</i> , an annual, the varieties of which are of the most beautiful colors. A bed of these will be highly prized for good habits, richness of color,
3875	—atropurpurea striata	2 3	..	stri.	..	10	
3880	—Black Warrior	2 3	..	d. r.	..	10	
3883	—Centennial	2 3	..	p. & w.	..	10	
3887	—Gen. Grant	2 3	..	flesh	..	10	
3888	—variabilis atropurpurea	2 3	..	pur.	..	10	
3893	—Leopoldi	2 3	..	w. cr.	..	10	
3894	—fimbriata rosea alba striata	2 3	..	ro. & w.	..	10	
3898	—marmorata rosea	2 3	..	rose	..	10	
3899	—William 1st	2 3	..	crim.	..	10	
3900	—Radowitzii	2 3	..	white	..	10	For continuation see next p.

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					cts.		
Phlox Drummondii							
3903	—oculata alba	2 3	hA	w. & l.	1	10	} <i>Obs. continued.</i> <i>and duration and profusion of bloom. All grow well in pots or as trailers. By making two or more sowings they will flower till frost. Should be grown in rich loamy soil.</i>
3906	—Hortensiaeflora	2 3	..	rose	..	10	
3910	—Victoria Regina	2 3	..	p. & w.	..	10	
3911	—New White with pink eye	2 3	..	w. & p.	..	25	
3913	—rosea	2 3	..	rose	..	10	
3916	—coccinea	2 3	..	scar.	..	10	
3919	—Dwarf blood red	2 3	..	d. red	..	10	
3921	—Dwarf Crimson Bouquet	2 3	..	crim.	2	25	
3927	—mixed	2 3	..	mixed	..	5	
3930	—grandiflora lilacina	2 3	..	lilac	1	10	
3935	—coccinea	2 3	..	scar.	..	10	
3937	—splendens	2 3	..	sc. & w.	..	10	
3938	—half dwarf	2 3	..	mixed	..	10	
3940	—mixed, large	2 3	..	..	..	10
3944	hybrida superba	2 3	hP	..	3	10	
Picotée, White Ground		2 3	hhP	w. & sp.	2	50	} <i>From show varieties. Very rich and beautiful, and finely scented.</i>
3949	Yellow "	2 3	..	y. & sp.	..	50	
3951	Slate Ground	2 3	..	slate	..	50	
3957	mixed	2 3	..	mixed	..	10	
3960	—Extra Fine	2 3	..	..	..	50
Pinks, Chinese Double		2 3	thB	..	1	5	} <i>Dianthus. A beautiful and ornamental genus, and for beauty and sweetness contain some of the most prized flowers we possess. The leaves of the hardy perennials are green all winter. Many can be grown in pots and kept in the house. No garden can be without some of the varieties of the Dianthus family. Color, neatness, and fragrance cannot be surpassed. All desirable.</i>
3970	—Heddewig's	2 3	..	..	..	10
3972	—Diadem flowered	2 3	..	..	..	10
3975	—Imperial	2 3	..	..	..	5
3975a	—alba plena	2 3	..	white	..	5	
3975b	—atrosanguinea pl.	2 3	..	d. scar.	..	5	
3980	—Cut-leaved (laciniata)	2 3	..	..	..	10
3985	—Mule	2 3	..	..	..	10
3987	—Dwarf	2 3	..	..	1	5
3995	Dianthus dentosus	2 3	thP	var.	..	10	
3997	—Gardnerianus	2 3	..	mixed	1	5	
4003	—plumarius	1 2	..	r. & w.	1	5	
4004	—fringed	2 3	..	..	..	5
4010	—superbus nanus	2 3	..	white	..	5	
4011	latifolius pl.	2 3	..	mixed	..	5	
4014	Pittosporum undulatum	1 2	gS	w. & y.	3	25	} <i>Well known green-house shrub. Flowers pretty. California Poppy.</i>
4016	Platystemon Californicus	2 3	hA	yel.	1	5	
4022	Podolepis chrysantha	2 3	hhA	..	1	5	} <i>Curious and pretty.</i>
4025	gracilis	2 3	..	red	..	5	
Polemonium							<i>See Jacob's Ladder.</i>
4030	Polyanthus	1 3	thP	mixed	1	10	} <i>Primula. Fine varieties. From named varieties.</i>
4033	Finest	1	..	..	..	25
4035	Poppy, perennial (bracteatum)	1	..	red	2	5	} <i>Papaver. Very showy, free flowering. For beds or borders, with a background of green, they are beautiful.</i>
4037	Prettiest (pulcherrimum)	1	hA	scar.	1	5	
4040	Eastern (orientalis)	1	thP	r. & w.	..	5	
4042	Scarlet	1	hA	scar.	..	5	
4045	Pæony-flowered	1	..	mixed	..	5	
4047	Carnation	1	..	red	2	5	
4050	Double White	1	..	white	1	5	
4053	Dwarf	1	..	mixed	..	5	
4057	Ranunculus-flowered	1	..	..	..	5
4064	umbrosum	1	..	crim.	..	10	
4065	mixed	1	..	mixed	..	5	

All Flower Seeds delivered free by mail.

		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
4067	Portulaca splendens	2 3	tA	pur.	$\frac{1}{2}$	5	These cannot be rivalled for the brilliancy of their colors, and are one of the best Annuals for bedding. <i>Oculata</i> , with red stalks, is very fine. The last 8 are double flowers , and are especially beautiful, many of them resembling miniature roses, the seed of which always contains many single flowers, which flower earlier than the double ones, and may in this way all be pulled out before the double ones come into bloom. Bloom best in a rather sandy soil. The seed will not vegetate till hot weather sets in, and should therefore be sown late.
4068	—New Bronze	2 3	..	bronze	..	5	
4069	—Red Carnation Striped	2 3	..	strip.	..	5	
4070	—Thellusonii	2 3	..	scar.	..	5	
4071	—New Pheasant's Eye	1 2	..	r. & w.	..	5	
4072	—albiflora	2 3	..	white	..	5	
4074	—aurantiaca	2 3	..	orange	..	5	
4078	—caryophylloides	2 3	..	stri.	..	5	
4082	—Light Straw	2 3	..	yel.	..	5	
4085	—Light Rose	2 3	..	l. rose	..	5	
4087	—alba oculata (red stalk)	2 3	..	w. & p.	..	5	
4088	—sulphurea	2 3	..	yel.	..	5	
4089	—Thorburni	2 3	..	..	..	5
4090	—rosea	2 3	..	rose	..	5	
4091	—white and red stripe	2 3	..	stri.	..	5	
4092	—mixed	2 3	..	mixed	..	5	
4095	New Large-flowered flesh	2 3	..	flesh	..	5	
4097	— — —rose	2 3	..	rose	..	5	} Showy and hardy border plants.
4100	— — —salmon	2 3	..	sal.	..	5	
4105	— — —buff	2 3	..	buff	..	5	
4107	— — —striped	2 3	..	stri.	..	5	
4110	Double Rose	2 3	..	rose	..	25	
4114	—Orange	2 3	..	orange	..	25	
4115	—Sulphur	2 3	..	sul.	..	25	
4117	—Carnation Striped	2 3	..	car. st.	..	25	
4118	—Salmon	2 3	..	salmon	..	25	
4120	—White	2 3	..	white	..	25	
4127	—Purple	2 3	..	pur.	..	25	
4130	—mixed	2 3	..	mixed	..	10	
4133	Potentilla atrosanguinea	1 3	thP	pur.	1 $\frac{1}{2}$	10	
4137	mixed	1 3	..	mixed	..	5	
4140	Primula cortusoides	2	hP	red	1	10	} The Chinese Primroses are fine for Winter and Spring blooming. Free flowering, and especially valuable for cut flowers. The seeds are saved from the finest colors and largest flowers. The <i>P. Japonica</i> is called the "Queen of Primroses."
4143	<i>Japonica</i>	2	..	mixed	..	10	
4145	Parryi	2	..	cr. pur.	..	25	
4156	<i>Sinensis fimbriata rubra</i>	3	gP	..	..	25
4157	—New Bright Red	3	..	b. red	..	25	
4158	—alba	3	..	white	..	25	
4159	—globosa, finest mixed	3	..	mixed	..	25	
4160	—cristata nana rubra	3	..	red	..	25	
4161	—punctata atropurpurea	3	..	pur. sp.	..	25	
4169	—filicifolia alba	3	..	white	..	25	
4170	— — —mixed	3	..	mixed	..	25	
4171	—rosea	3	..	rose	..	25	
4174	—globosa rubra	3	..	red	..	50	
4176	— — —alba	3	..	white	..	50	
4183	—splendens	3	..	crim.	..	25	
4187	—mixed	3	..	mixed	..	25	
4190	—plena rubra	3	..	red	..	75	
4193	—alba	3	..	white	..	75	
4195	—plena in vars.	3	..	mixed	..	75	
Primrose, Evening (Ecnothera)							} The <i>Ecnotheras</i> are fine, free-flowering plants, best for backgrounds or shrubbery borders; the dwarf varieties for rock-work or beds. <i>E. acaulis</i> has large shi-
4200	biennis	2 3	hB	yel.	4	5	
4203	bistorta	2 3	..	..	2	5
4205	Drummond's	1 3	ttP	..	1	5	
4207	Large-flowered	2 3	hP	..	3	5	
4210	Lamarck's	2 3	thP	..	1 $\frac{1}{2}$	5	
4218	Purple Evening	1 3	hP	pur.	1	5	

For continuation see next p.

All Flower Seeds delivered free by mail

		Time of Flowering	Hardiness and	Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
4220	Primrose, (Evening,) Rose	1 3	hP	rose	1	5	cts.	Obs. continued. ning white flowers, quite transparent. <i>Æ. Drum-</i> <i>mondii</i> is of a rich sulphur color, and profuse flowering.
4222	taraxacifolia alba or acaulis	2 3	..	white	..	5		
4227	tetraptera	2 3	hA	..	..	5	
4230	mixed Annual	2 3	..	mixed	div.	5		
4233	Pyrethrum parthenium au- reum	2 3	hP	white	1	10		Golden Feather, for edgings. No. 4237 makes a moss- like tuft.
4235	—Golden Gem	2 3	..	..	..	10	
4237	Tchihatchewii	1 3	..	..	$\frac{1}{2}$	10	
4237a	atrosanguineum	2 3	..	dark sc.	..	10		
4239	Reseda crystallina	2 3	hA	gr. yel.	1	5		Varieties of Mignonette, very curious.
4252	alba	2 3	..	..	..	5	
4256	Rhodochiton volubile	2 3	g. cl.	d. pur.	10	25		Closely related to <i>Lophos-</i> <i>permum</i> .
4258	Rhododendron arboreum	1	hS	mixed	..	25		Grand evergreen shrubs.
4270	Ricinus Borboniensis arboreus	2	hhA	violet	15	5		The Castor Oil Beans are free growing, tender An- nuals; very ornamental, and quite tropical in ap- pearance, when planted singly on lawns.
4270a	Africanus	2	..	div.	8	5		
4271	cœruleus	2	..	blue	..	5		
4275	Gibsonii	2	..	vio.	5	5		
4276	macrophyllus	2	..	d. pur.	6	5		
4278	Guyanensis nanus	2	..	red	4	5		
4288	sanguineus	2	..	..	..	5	
4289	purpurea, spec. from the Philippines	2	..	pur.	..	5		
4290	Rivina humilis	3	gP	white	2	25		Ornamental in fruit.
4295	Rocket, Sweet	2 3	thP	w. & p.	..	5		These well-known useful Perennials are free bloom- ing and sweet scented.
4300	White	2 3	..	white	..	5		
4325	Rose Campion	2	..	rose	1	5		<i>Lychnis</i> . Free blooming and pretty.
4327	White	2	..	white	..	5		
4330	Rose of Heaven (Viscaria)	2 3	hA	rose	1	5		Profuse flowering. Fine for beds. They are easily grown and can be made very useful.
4333	White	2 3	..	white	..	5		
4336	elegans picta	2 3	..	sc. & w.	1 $\frac{1}{2}$	5		
4340	dark-eyed	2 3	..	r. & p.	$\frac{1}{2}$	5		
4343	oculata cœrulea	2 3	..	blue	2	5		
4345	flos Jovis, (Jove's Flower)	2	hP	red	1 $\frac{1}{2}$	5		
Rose of Sharon								See <i>Hibiscus Syriacus</i> .
4350	Rudbeckia amplexicaulis	2	..	yel.	3	5		Showy Composite.
4356	Salpiglossis azurea	2 3	hhA	blue	1	10		These annuals are very showy, large flowered, with flowers mottled, veined, and self-colored. Fine for beds.
4360	coccinea	2 3	..	scar.	..	10		
4366	nana	2 3	..	mixed	$\frac{1}{2}$	5		
4367	in vars.	2 3	..	..	1	5	
4370	Salvia argentea	1	thP	white	3	5		No plants can be finer than these. Sage plants are well known for their brilliant colors. Fine for bedding and easily grown.
4380	patens	2	thP	blue	..	25		
4387	Rœmeriana	2	hP	crim.	1	10		
4390	splendens	2	thhP	scar.	3	10		
4394	farinacea	2	..	l. blue	2	10		
4397	Sanvitalia procumbens fl. pl.	2 3	hA	yel.	$\frac{1}{2}$	5		Pretty Composite for beds.

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4400	Saponaria Calabrica	2 3	hA	red	1	5	} <i>Pretty dwarf bedding plants. Should be cultivated for their beauty and long blooming.</i>
4403	—alba	2 3	..	white	..	5	
4406	—marginata	2 3	..	marg.	..	5	
4410	ocymoides	1 2	hP	red	$\frac{1}{2}$	5	
4413	Saxifraga Aizoon	2	..	white	1	25	} <i>Fine for rock-work, on which they are beautiful.</i>
4415	Huetiana	2	hA	..	$\frac{1}{2}$	25	
4417	Scabiosa candidissima	2 3	2 $\frac{1}{2}$	5	} <i>The Mourning Bride is a showy border plant.</i>
4420	mixed	2 3	..	mixed	..	5	
4422	dwarf double	2 3	..	..	1 $\frac{1}{2}$	5
4425	Schizanthus Grahamii	2 3	hhA	s. & o.	2	5	} <i>Elegant and very free blooming annuals. Large, beautiful flowers of many colors, blotched, dark purple, and spotted with orange. Fine for bedding.</i>
4427	pinnatus	2 3	..	p. v.	1 $\frac{1}{2}$	5	
4430	porrigens papilionaceus	2 3	..	bk. eyd	..	5	
4433	retusus	2 3	..	r. & o.	2	5	
4436	—alba	2 3	..	white	..	5	
4440	in vars.	2 3	..	mixed	div.	5	
4443	Schizopetalon Walkeri	1 2	tA	white	$\frac{3}{4}$	10	<i>Curious fringed flowers</i>
4446	Scyphanthus elegans	2 3	..	yel.	2	10	<i>Fine green-house climber.</i>
4450	Sedum cœruleum	2	hA	blue	$\frac{1}{2}$	10	} <i>Curious and showy. The Stone Crop is one of the best plants for rock-work. Sandy soil.</i>
4453	Maximowiczii	2	hP	yel.	1	10	
4454	mixed	2	..	mixed	$\frac{3}{4}$	10	
Senecio elegans							<i>See Jacobæa.</i>
4455	Sensitive plant	2 3	tA	pink	..	5	<i>Mimosa. Pretty and curious.</i>
4460	Silene Armeria	1 2	hA	r. & w.	1	5	} <i>Catch Fly. Bright colored, free flowering annuals; showy and suitable for rock-work. Light, rich soil.</i>
4461	pendula	1 2	..	red	..	5	
4463	ruberrima	1 2	..	rose	..	5	
4467	Eastern	1 2	hP	..	2	5	
4475	Smilax (Myrsiphyllum) asparagoides	2 3	gP	white	6	25	} <i>For table decoration. Fine for florists.</i>
4480	Snapdragon, car. and white	2	thP	c. & w.	1 $\frac{1}{2}$	10	} <i>The Antirrhinum is one of the finest border perennials. The plants are free flowering, and succeed in any kind of soil. Should be in all gardens.</i>
4483	Crimson and white	2	..	cr. & w.	..	10	
4485	Striped	2	..	stri.	..	5	
4488	Scarlet and White	2	..	s. & w.	..	5	
4490	Scarlet	2	..	scar.	..	5	
4492	White	2	..	white	..	5	
4493	luteum	2	..	yel.	..	5	
4495	mixed	2	..	mixed	..	5	
4497	Fine dwarf	2	..	..	$\frac{1}{2}$	5
4498	Tom Thumb, mixed	2	..	..	..	10
4500	Sphenogyne speciosa	3	hA	yel.	1	5	<i>Pretty, showy annual.</i>
4502	Spiræa aræfolia	2	hS	white	3	10	} <i>Beautiful shrubs, flowering profusely. Fine for ornamental shrubberies.</i>
4504	Douglasii	1	..	rose	..	10	
4507	Spraguea umbellata	2 3	hhA	..	$\frac{1}{2}$	25	<i>Very pretty.</i>

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4509	Statice Bonduelli	2	gP	yel.	1½	5	} <i>Sea Lavender, beautiful for Winter bouquets. Pretty little flowers, which ought to be in all gardens.</i>
4514	incana hybrida	2	hP	mixed	..	10	
4515	sinuata	2 3	gP	blue	1	10	
4516	candidissima	2 3	..	white	..	10	
4516a	pseudo armeria	2 3	hhP	scar.	1½	10	
4518	Stenactis speciosa	2 3	hP	pur.	2	5	<i>Showy purple Composite.</i>
4520	Stephanophysum longifolium	2 3	hhP	scar.	1½	25	} <i>An Acanthaceous plant with bright colored flowers.</i>
4525	Stevia serrata	2	gP	flesh	..	10		Fine for bouquets. Scented.
Stocks (German Ten Weeks)							
4530	Dwarf, Chestnut	1 2	hhA	brown	1	10	} <i>Mathiola. These seeds are saved from the finest double varieties, but seldom produce such fine flowers as the German varieties, which are put up in assortments. The flowers are very fragrant, and every garden should have some of the double varieties, as nothing can be finer.</i>
4530a	—German Bouquet	1 2	..	mixed	..	10	
4532	—crimson	1 2	..	crim.	..	10	
4540	—white	1 2	..	white	..	10	
4540a	—Semperflorens	1 2	..	mixed	..	10	
4542	Fine mixed	1 2	..	..	..	10
4546	Large Flowered	1 2	..	..	..	10
4546a	—Canary Yellow	1 2	..	l. yel.	2	10	
4546b	—Blood Red	1 2	..	d. red	..	25	
4546c	—Shining pur. car.	1 2	..	pur.	..	25	
4548	Ordinary mixed	1 2	..	mixed	1½	5	
4550	Intermediate White	1 2	hhB	white	2	10	
4552	—Crimson	1 2	..	crim.	..	10	
4554	—mixed	1 2	..	mixed	..	10	
4554a	Giant Ten Weeks	1 2	..	..	..	10
4554b	Perfection	1 2	..	..	..	10
4556	Wall-flower Leaved	1 2	..	white	..	10	
4556a	—Crimson	1 2	..	crim.	..	10	
4558	—mixed	1 2	..	mixed	..	10	
4560	Winter Crimson	1 2	..	crim.	..	25	
4565	— Dwarf Crimson Bouquet	1 2	..	..	1	25
4567	— White	1 2	..	white	..	25	
4570	— finest mixed	1 2	..	mixed	..	10	
4574	Sultan , Sweet, Purple	2 3	hA	purple	1½	5	} <i>Centaurea. Pretty border Annuals, with fragrant flowers.</i>
4577	White	2 3	..	white	..	5	
4580	Yellow	2 3	..	yellow	..	5	
4584	Sunflower , Californian	2 3	..	d. y.	6	5	} <i>Helianthus. Showy for back-grounds and shrubberies. Like the Eucalyptus, good to absorb the miasma of low grounds.</i>
4586	Texan double	3	hP	yellow	4	5	
4588	Giant double	3	hA	..	5	5	
4590	Dwarf double	2 3	..	..	3	5
4592	Green centered	3	..	y. & gn.	..	5	
4594	Globe flowered	3	..	yellow	..	5	
4598	Sweet William , mixed	2 3	hP	mixed	1½	5	} <i>A bed of these can hardly be surpassed in color and habit, and are admired by all.</i>
4598a	Brilliant Red	2 3	..	red	..	5	
4598b	Pure White	2 3	..	white	..	10	
4598c	Auricula flowered	2 3	..	mixed	..	5	
4598d	Dunnettii	2 3	..	d. crim.	..	5	
4602	Tacsonia Van Volxemii	2 3	gP	scarlet	6	25	<i>Beautiful green-house vine.</i>
4605	Tagetes lucida	2	tP	yellow	1	5	} <i>Pretty, free flowering. Fine for bedding. See also Marigold.</i>
4607	signata pumila	2 3	hA	5	
4608	patula pulchra nana	2 3	2	5	

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	<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>		
4610 Tassel Flower, Scarlet	2	hA	scarlet	2	5	} <i>The Cacalins are pretty Annuals, with neat flowers.</i>	
4612 Orange	2	..	orange	..	5		
4614 Thermopsis montana	2	hP	pur.	1½	10	<i>Pretty, pea-shaped flowers.</i>	
4615 Torenia Fournieri	2 3	tA	..	1	25	<i>For borders and baskets.</i>	
4616 Trachelium cœruleum	2	thP	blue	1½	5	<i>Pretty.</i>	
4617 Tradescantia angulosa	3	gP	..	1	10	<i>Interesting plants.</i>	
4618 Trifolium suaveolens	2	hP	pur.	tra.	5	<i>An ornamental Clover.</i>	
4619 Tritoma Uvaria	3	hhP	or. red	3	10	<i>Handsome flowering plants.</i>	
4622 Tunica saxifraga	2	..	white	1	5	<i>Pretty for rock-work.</i>	
4624 Valeriana alba	1 2	thB	..	3	5	} <i>Fine border plants, sweet scented.</i>	
4626 rubra	1 2	..	red	..	5		
4628 Venidium calendulaceum	2 3	hhA	orange	1	5	<i>Pretty.</i>	
4630 Venus's Looking-glass	1 2	hA	blue	½	5	} <i>Pretty; good edging plants.</i>	
4633 White	1 2	..	white	..	5		
4635 Venus's Navelwort (Omphalodes linifolia)	2	1	5	} <i>A handsome border flower, easily grown.</i>	
4636 Verbena in vars.	2 3	hhP	mixed	tra.	5		
4638 hybrida, finest mixed	2 3	10	} <i>All of this genus are extremely beautiful and ornamental plants, flowering profusely either as pot plants or in the garden. Seeds saved from fine named varieties.</i>	
4640 —Scarlet Defiance	2 3	..	scarlet	..	10		
4642 —alba	2 3	..	white	..	10		
4643 —candidissima (pure white)	2 3	..	..	..	10
4644 —auriculæflora	2 3	..	mixed	..	10		
4646 —Italica striata	2 3	..	stri.	..	10		
4648 —cœrulea	2 3	..	d. b.	..	10		
4648a —lutea	2 3	..	yel.	..	25		
4649 —scarlet, mixed	2 3	..	scar.	..	10		
4653 Veronica, mixed	2	hP	mixed	½	10		} <i>Pretty border plants; fine colors.</i>
4653a spicata	2 3	..	blue	1	10		
4654 Vicia Gerardi	2 3	hA	vio.	4	10	<i>Pretty pea-shaped flowers.</i>	
4657 Vinca alba (pure white)	2 3	tP	white	1	10	} <i>Fine for conservatory, parlor windows, and borders.</i>	
4662 rosea	2 3	..	rose	..	10		
4665 Violets, Sweet-scented	1 2	..	blue	½	10	} <i>Viola. All of the genus deserve cultivating for their beauty and fragrance.</i>	
4667 The Czar	1 2	..	..	..	10
4669 White	1 2	..	white	..	10		
4673 Viola cornuta, Purple Queen	1 2	..	purple	..	10	} <i>Fine early flowering. See Violets.</i>	
4675 —alba	1 2	..	white	..	10		
4677 Virginian Stock (Malcomia)	1 2	hA	red	1	5	} <i>Early flowering, fine.</i>	
4680 White	1 2	..	white	..	5		
4682 Wall Flower	1 3	tP	brown	1½	5	} <i>Favorite sweet-scented flowers, fine colors, and should be used as Spring bedders.</i>	
4684 mixed	1 3	..	mixed	..	5		
4686 German Double	1 3	25		

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		<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
4688	Whitlavia grandiflora	1 3	hA	pur.	1½	5	} Pretty bell-shaped flowers, free flowering.
4692	gloxinoides	1 3	..	b. & w.	..	5	
4693	Worms	2 3	..	scar.	1	5	Seeds are quite curious.
4694	Wigandia Viguierei	2 3	†tP	red	4	10	} Fine large leaves, with a fine tropical appearance.
4696	Yucca baccata	2 3	hhP	gr. wh.	3	10	
4701	brevifolia	2 3	15	10	} Very showy, attractive plants for the sub-tropical gar- den, with numerous large white flowers.
4702	macrocarpa	2 3	..	..	6	10
4705	Whipplei	2 3	..	..	2	10
4708	Zinnia violacea plena	2 3	hA	violet	..	5	} Fine bedding and border plants, blooming long and abundantly. Beds of these are greatly admired. The colors are varied and bright, and the plants easi- ly grown. Should be more extensively grown.
4710	elegans alba plena	2 3	..	white	..	5	
4712	coccinea plena	2 3	..	scarlet	..	5	
4714	lutea plena	2 3	..	yellow	..	5	
4716	purpurea plena	2 3	..	purple	1½	5	
4718	salmon rose	2 3	..	salmon	..	5	
4719	double orange	2 3	..	orange	2	5	
4720	plena in vars.	2 3	..	mixed	..	5	
4721	mixed Pompon	2 3	..	..	..	10
4722	Haageana, double	2 3	..	..	..	10
4723	Darwinii fl. pl.	2 3	..	..	1½	10
4723a	Zygadenus paniculatus	2 3	hP	gr.	2½	25	} Bear large panicked, greenish white flowers.
4723b	venenosus	2 3	..	..	1½	25

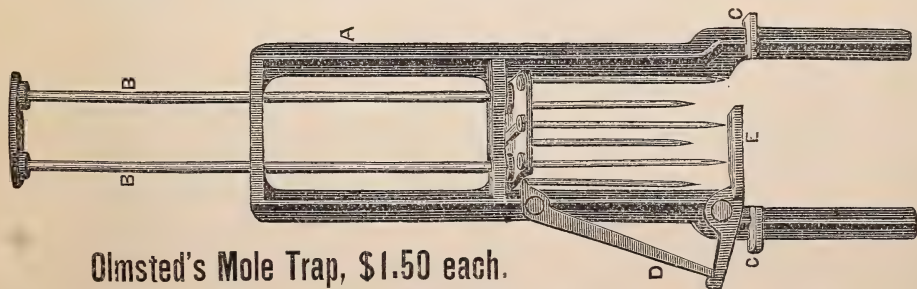


VINES AND CLIMBERS.

4724	Adlumia cirrhosa	2	hB	pink	15	10	Beautiful climber; interesting.
4727	Aristolochia Sipho	2	hP	yel. br.	..	25	} Curious flowers, commonly called "Dutchman's Pipe."
4730	Bignonia radicans	2	..	scarlet	20	5	
4732	Calampelis scabra	3	†hP	orange	6	10	Scarlet Trumpet Flower. Beautiful hardy climber.
4734	Canary Bird Flower	2 3	hhA	yellow	10	5	Fine for trellis.
4736	Cardiospermum Halicacabum	2 3	..	w. & gr.	..	5	One of the best old favorites.
4754	Clematis Virginiana	2 3	hP	white	15	5	} Balloon Vine; pretty fruit. Very fine ornamental plants for a piazza, or for mak- ing a screen. Should have some support where they are planted out. All are pretty flowering.
4756	Flammula	1 2	..	..	..	5	
4757	ligusticifolia	2 3	..	..	10	10	
4758	azurea grandiflora	2 3	..	blue	..	10	
4760	"Sophia"	1 2	..	li. pur.	..	10	} Beautiful green-house and conservatory climbers.
4764	Clitoria Ternatea	1 2	..	blue	..	10	
4766	—alba	1 2	..	white	..	10	} Rapid growing.
4768	Cobæa scandens	2 3	†tP	purple	20	10	

<i>All Flower Seeds delivered free by mail.</i>		<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price per Packet</i>	<i>General Observations.</i>
4774	Convolvulus aureus superbus	2 3	hhA	gold	5	10	} <i>Very pretty, fine for baskets, except the Morning Glory, which is good for screens.</i>
4777	major (Morning Glory)	2 3	hA	mixed	10	5	
4780	Mauritanicus	2 3	hP	blue	10	10	
Cypress Vine							<i>See Ipomœa Quamoclit.</i>
4782	Dolichos Lablab	2 3	gP	purple	10	5	} <i>Hyacinth Beans are rapid growing and free flowering. Good for screens.</i>
4784	—alba	2 3	..	white	..	5	
4786	in vars.	2 3	..	mixed	..	5	
4790	Hedysarum coronarium	3	thB	red	3	5	} <i>French (Bush) Honeysuckle.</i>
4792	—album	3	..	white	..	5	
4796	Ipomœa Burridgii	2 3	hA	crim.	10	5	} <i>These are very beautiful, free-blooming plants, fine for green-house and outdoor decoration. All deserve cultivation. Hedera- cea grandiflora and marmorata have striped leaves.</i>
4798	coccinea	2 3	..	scar.	..	5	
4800	—lutea	2 3	..	yellow	..	5	
4802	hybrid Nebraskiensis	2 3	..	var.	..	5	
4807	Horsfalliæ	2 3	tP	rose	15	25	
4808	hederacea grandiflora	2 3	..	blue	..	5	
4810	—marmorata	2 3	..	mar.	..	5	
4812	Nil	2 3	..	purple	..	5	
4814	limbata	2 3	..	v. & w.	5	5	
4816	Mexicana alba	2 3	..	white	..	10	
4820	Bona Nox	2 3	tA	..	10	5	
4824	Learii	2 3	gP	v. b.	..	25	
4826	rubra cœrulea	2 3	..	b. & r.	8	10	
4828	— — alba	2 3	..	white	..	10	
4834	Madame Anne	2 3	hA	sc. & w.	10	5	
4835	Quamoclit	2 3	tA	scarlet	..	5	} <i>The well-known Cypress Vine, bears very beautiful bright flowers, and is deservedly popular.</i>
4837	—alba	2 3	..	white	..	5	
4840	—rosea	2 3	..	rose	..	5	
4840a	—hederæfolia coccinea	2 3	..	scar.	..	5	
4842	—in vars.	2 3	..	mixed	..	5	} <i>These are fine, profuse bloomers for the green-house or conservatory. Succeed in sandy loam.</i>
4845	Kennedy Comptoniana	1 2	gP	blue	12	25	
4854	Marryatæ	1 3	..	scarlet	4	25	
4856	rubicunda	1 2	..	d. red	..	25	
4858	purpurea	2	..	red	6	25	
4861	Lathyrus odoratus. (Sweet Peas, "Butterfly")	1 3	hA	5	} <i>Nothing can be finer than a hedge of Sweet Peas. The variety of color and the sweet-scented flowers make them desirable for every garden. To bloom early, the seed should be sown in the Autumn. The finer varieties bear much larger flowers, and are delightfully fragrant.</i>
4862	White	1 3	..	white	..	5	
4864	Light Blue and Purple	1 3	..	l. b. & p.	..	5	
4865	Dark Red	1 3	..	red	..	5	
4868	Blush	1 3	..	blush	..	5	
4872	Tricolor, "Capt. Clark"	1 3	..	tri.	..	5	
4874	Black Purple	1 3	..	purple	..	5	
4876	Striped	1 3	..	stri.	..	5	
4878	Invincible Scarlet	1 3	..	scarlet	..	5	
4879	Princess Beatrice	2 3	..	car.	..	5	
4880	mixed	1 3	..	mixed	..	5	
4882	Everlasting	2	hP	crim.	8	5	
4884	—White	2	..	white	..	10	
4884a	Lord Anson's	1 3	..	blue	6	5	
4884b	— " — albus	1 3	..	white	..	5	
4885	Painted Lady	2 3	hA	rose	4	5	
4886	Lophospermum scandens	2 3	tP	d. & ro.	8	10	} <i>Showy green-house plant, with trumpet-shaped flowers.</i>

<i>All Flower Seeds delivered free by mail.</i>		<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price Per Packet</i>	<i>General Observations.</i>
4888	Maurandya antirrhiniflora	1 3	tgP	pur.	10	10	Abundant bloomers, and very desirable for the greenhouse and garden. Should be in every collection.
4890	Barclayana	1 3	..	bl. & w.	..	10	
4892	—alba	1 3	..	white	..	10	
4894	Emeryana rosea	1 3	..	rose	..	10	
4895	purpurea grandiflora	1 3	..	pur.	..	10	
4896	semperflorens rosea	1 3	..	rose	..	10	
4897	semperflorens violacea	1 3	..	violet	..	10	
4900	in vars.	1 3	..	mixed	..	10	
4902	Nasturtium , (<i>Tropæolum majus</i> .) Blood colored	2 3	tA	d. r.	5	5	Tropæolum. Very good for screens or stone walls. All are very showy in flower, and are desirable acquisitions to gardens.
4904	Yellow	2 3	..	orange	..	5	
4908	Schultzi	2 3	..	d. sc.	..	5	
4910	Scheurman's	2 3	..	spot.	..	5	
4910a	—coccineum	2 3	..	scar.	..	5	
4911	atropurpureum	2 3	..	dk. pur.	..	5	
4911a	coccineum	2 3	..	red	..	5	
4912	hemisphæricum	2 3	..	orange	..	5	Passion Flowers are very pretty and curious.
4912a	Roeglianum	2 3	..	pur.	..	5	
4912b	Passiflora cœrulea	2 3	hP	blue	10	10	Desirable climber, producing curious snail-like and sweet-scented flowers.
4913	—grandiflora	2 3	..	..	6	5
4915	Phaseolus Caracalla	2 3	..	lilac	5	10	Very ornamental climbers and abundant bloomers. They are also very effective as bedding plants, if a little pains be taken with them.
4916	Thunbergia alata	2 3	thhP	bff & d.	..	5	
4918	—alba	2 3	..	white	..	5	
4920	—aurantiaca	2 3	..	orange	..	5	
4922	—Bakeri	2 3	..	white	..	5	
4924	—Fryeri	2 3	..	orange	..	5	
4926	—sulphurea	2 3	..	sul.	..	5	
4928	—intus alba	2 3	..	white	..	5	These are very beautiful, and flower abundantly. Fine for either the conservatory or out-door decoration. Thrive in light, rich soil. See also Nasturtium. Nos. 4954 and 4596 should be grown in pots.
4930	—in vars.	2 3	..	mixed	..	5	
4932	Tropæolum canariense	2 3	hhA	yel.	6	5	
4934	Lobbianum	2 3	hhP	mixed	..	5	
4936	—Brilliant	2 3	..	d. s.	..	5	
4944	—Queen Victoria	2 3	..	scar.	..	5	
4946	—Lucifer	2 3	..	..	..	5
4948	—Spitfire	2 3	5	These are very beautiful, and flower abundantly. Fine for either the conservatory or out-door decoration. Thrive in light, rich soil. See also Nasturtium. Nos. 4954 and 4596 should be grown in pots.
4948a	—Crown Prince of Prussia	2 3	..	..	..	10
4948b	—Lilli Smith	2 3	..	cr. sc.	..	10	
4950	—fulgens	2 3	..	..	..	10
4952	Moritzianum	2 3	..	o. & y.	..	10	
4954	pentaphyllum	2 3	tgP	..	4	10	
4956	tricolorum	2 3	..	o. & p.	..	25	



Olmsted's Mole Trap, \$1.50 each.

ORNAMENTAL GOURDS AND FRUIT-BEARING PLANTS.

All Flower Seeds delivered free by mail.

		Time of Flowering	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	General Observations.
4964	<i>Abobra viridiflora</i>	2 3	tA	green	6 5	cts.	Pretty scarlet fruit.
4966	<i>Benincasa cerifera</i>	2 3	..	yel.	.. 10		Black, wax-like gourd.
4968	<i>Bryonopsis laciniosa erythrocarpa</i>	2	..	red	5 10		} Very ornamental. Oblong fruit, marked with white lines. Turns red when ripe.
4970	<i>Coccinia Indica</i>	2 3	..	..	6 10	
4972	<i>Cucumis erinaceus</i>	2 3	hhA	yel.	8 5		} Extremely rapid growth and curious fruits.
4973	<i>acutangulus</i> (Rag Gourd)	2	..	..	5	
4974	<i>flexuosus</i> (Snake Cucumber)	2 3	..	..	10 5	
4976	<i>grossulariæformis</i>	2	..	..	6 5	
4978	<i>odoratissimus</i>	2	..	..	5	
4980	<i>perennis</i>	2 3	..	..	15 5	
	Orange)						
4982	<i>Cucurbita aurantiaca</i> (Mock)	2	tA	..	5		} Fine for screens, being very rapid growing with curious fruits. <i>C. lagenaria</i> is the Dipper Gourd; <i>C. aurantiaca</i> , the Mock Orange. No. 4894 is early.
4983	Egg-shaped	2	..	..	10 5	
4984	Apple-shaped	2	..	..	5	
4986	vittata (green bottom)	2	..	..	15 5	
4988	Hercules' Club	2	..	..	5	
4990	lagenaria (bottle gourd)	2	..	..	5	
4991	" " Miniature	2	..	..	5	
4994	Melopepo, miniature	2	..	..	10 5	
4996	—striata	2	..	..	12 5	
4998	<i>Cyclanthera explodens</i>	2	hhA	..	8 10		Curious.
5000	<i>Epepepon vitifolius</i>	3	hhP	white	10 25		Ornamental.
5004	<i>Lagenaria siphon</i>	3	..	yel.	.. 5		Siphon Gourd.
5006	<i>Martynia proboscidea</i>	3	hhA	l. b.	2 5		Curious, and fine for pickles.
5008	<i>Momordica balsamina</i>	2 3	..	yel.	10 5		} The well-known Balsam Pear and Apple.
5010	charantia	2 3	..	..	5	
5012	Elaterium	2 3	..	..	5	
5014	<i>Mukia scabrella</i>	3 10		Fruit reddish when ripe.
5018	<i>Phaseolus multiflorus</i>	2 3	tA	scar.	15 5		Scarlet Runner bean.
5020	<i>Scotanthus tubiflorus</i>	3	tP	white	.. 25		Bears pretty fruit.
5022	<i>Solanum</i> , white Egg Plant	3	tA	..	1 5		} The <i>Solanums</i> are very ornamental fruit-bearing plants, and thrive best in light, rich soil. All are worth cultivating.
5024	scarlet " "	3	..	scar.	.. 5		
5026	striped " "	3	..	stri.	2 5		
5038	<i>Pseudo-Capsicum nanum</i>	3	gP	white	1 10		
5040	Wetherill's Hybrid	3	tA	bl.	2 10		
5042	robustum	2 3	..	pur.	3 10		
5046	capsicastrum	2 3	gP	yel.	2 10		
5047	Hendersonii	2 3	..	pur.	.. 10		
5048	<i>Trichosanthes colubrina</i>	3	..	white	4 10		} Serpent Cucumber. Curious.
5050	coccinea	2	..	yel.	.. 10		
5052	palmata	3	..	white	.. 10		

SEEDS OF EVERLASTINGS

FOR THE
FORMATION OF WREATHS AND WINTER BOUQUETS.

<i>All Flower Seeds delivered free by mail</i>						<i>General Observations.</i>
	<i>Time of Flowering</i>	<i>Hardiness</i>	<i>Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i> <i>Price per Packet</i>	
5054 Acroclinium roseum	2	hhA	v. & ro.	1	5	} <i>One of the most beautiful Everlastings, much used for winter bouquets.</i>
5056 —album	2	..	white	..	5	
5057 —mixed	2	..	mixed	..	5	
5060 Ammobium alatum	2	hhP	whie	2	5	} <i>Pretty, and easily cultivated.</i>
5061 alatum grandiflorum	2	..	..	..	10
5062 Gomphrena globosa	2	hA	red	1	5	} <i>The Globe Amaranths are known by their round heads of flowers, also called "Bachelor's Buttons." An old favorite for winter bouquets.</i>
5064 —alba	2	..	white	..	5	
5066 —carnea	2 3	..	pink	..	5	
5070 —striata	2	..	stri.	..	5	
5071 —nana compacta	2	..	v. red	$\frac{1}{2}$	5	
5072 —in vars.	2	..	mixed	1	5	
5074 aurantiaca	2 3	..	orange	..	5	
5076 Helichrysum bracteatum	2 3	..	yel.	3	5	} <i>Eternal Flowers. All are greatly admired for their beauty. The flowers are large and the colors bright. They are highly prized for winter bouquets.</i>
5078 —album	2 3	..	white	..	5	
5080 —macranthum	2 3	..	rose	..	5	
5081 —mixed	2 3	..	mixed	..	5	
5086 Blood Red	2 3	..	d. red	1	10	
5098 monstrosum double	2 3	..	mixed	2	5	
5100 — —dwarf	2 3	..	..	$\frac{1}{2}$	5
5107 Helipterum Sanfordii	2	tA	yel.	1	10	} <i>Resemble Helichrysum, and are used in the same way.</i>
5108 antheraoides	2	..	..	..	10
5110 Rhodanthe maculata	2 3	..	rose	..	10	} <i>Very beautiful, delicate looking Everlastings, much prized for winter bouquets.</i>
5114 —alba	2 3	..	white	$\frac{1}{2}$	10	
5118 Manglesii	2 3	..	rose	..	10	
5119 mixed	2 3	..	mixed	1	10	
5120 Xeranthemum annuum	2	hA	pur.	2	5	} <i>One of the oldest Everlastings, retaining their color and form longest of all.</i>
5122 —album	2	..	white	..	5	
5125 multiflorum	2	..	purple	..	5	
5126 —album	2	..	white	..	5	
5127 —superbissimum	2	..	dbl. bl.	..	10	

SEEDS OF ORNAMENTAL GRASSES.

Many of these Grasses, if cut before they are entirely ripe, will be found useful in the formation of Winter Bouquets, in connection with the Everlastings.

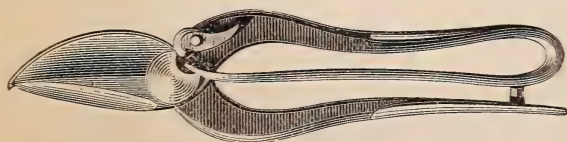
<i>All Flower Seeds delivered free by mail.</i>		<i>Time of Flowering</i>	<i>Hardiness and Duration</i>	<i>Color of the Flower</i>	<i>Height in Feet</i>	<i>Price Per Packet</i>	<i>General Observations.</i>
5128	Agrostis nebulosa*	2	hA	ap.	1	5	} <i>Very fine for vases and bouquets. The plumes of A. nebulosa are very delicate.</i>
5130	pulchella	2	..	..	..	5
5132	minutiflora	2	..	..	..	10
5136	Andropogon argenteus*	3	hP	..	3	5	} <i>Dense flowers, very silky, with bright white hairs.</i>
5138	Arundo Donax	3	..	..	10	5
5140	—fol. variegata*	3	..	..	..	10
5142	festucoides variegata*	3	4	10	} <i>Fine sub-tropical plants of stately growth, and very ornamental.</i>
5144	Avena sterilis	2 3	hA	..	3	5	
5150	Briza geniculata	2	..	..	1	5
5152	gracilis	2	5	} <i>Quaking Grass, so called on account of the quaking character of the spikelets.</i>
5154	maxima	2	..	..	1½	5
5158	Brizopyrum siculum	2	..	..	½	5
5160	Bromus brizæformis	2	hP	..	2	5	} <i>Interesting, but hardly useful. To this genus belongs that pest of the farmer, the Chess or Cheat Grass.</i>
5162	macrostachyus	2	..	..	..	5
5164	madritensis	2	..	..	..	5
5166	Chloris barbata	2	1	5	} <i>Elegant for groups, and also good for baskets.</i>
5168	truncata "vera"	2	..	..	½	5
5170	Chrysurus cynosuroides	2	hA	..	1	5	
5172	Coix lachryma	2 3	1½	5	} <i>Job's Tears, so called from the resemblance of the seed to a tear drop.</i>
5174	Chinensis	2 3	..	..	..	5
5175	Cryptopyrum Richardsoni	2	..	..	2	10
5175a	Cynosurus elegans	2	hP	5	} <i>Handsome Dog's Tail Grass.</i>
5175b	Dactylis glaucescens	2	..	..	3	10
5176	Eleusine barcinonensis	2 3	hA	..	1	5	
5176a	corocana	2 3	5	} <i>Crab or Yard Grass. E. Indica, Wire Grass, is common in door-yards.</i>
5176b	Indica	2 3	..	..	..	5
5178	Elymus hystrix	2 3	hP	..	4	5	

All Flower Seeds delivered free by mail.

Time of
Flowering
Hardiness
and
Duration
Color of
the Flower
Height in Feet
Price per
Packet

General Observations.

						cts.	
5180	Eragrostis elegans	2	hA	ap.	1	5	} <i>Love Grass. Pretty grasses, growing about a foot high, and characterized by their beautiful dancing spike lets.</i>
5182	amabilis	2	..	..	..	5	
5183	Abyssinica	2	..	..	..	5	
5184	maxima	2	..	..	..	10	
5185	suaveolens	2	..	..	..	5	
5188	Erianthus Ravennæ	2 3	hP	..	10	5	} <i>Plume Grass. A very fine and stately looking grass.</i>
5190	—foliis variegatis*	2 3	..	..	..	10	
5192	Eulalia Japonica	2 3	..	..	5	10	} <i>One of the most beautiful of the tall-growing grasses.</i>
5195	Festuca heterophylla	2 3	..	..	2	5	
5198	Gymnothrix (Pennisetum) cau-						} <i>Grown chiefly as curious and ornamental grasses.</i>
	data	2 3	tP	..	..	10	
5200	Japonica	2 3	..	..	6	10	
5202	latifolia	2 3	..	..	8	10	
5205	Gynerium argenteum*	2 3	..	..	..	5	} <i>Pampas Grass. This is the noblest of the tall-growing grasses, and bears magnificent plumes, much used in floral decoration.</i>
5207	—fol. variegatum*	2 3	..	..	..	10	
5208	jubatum	2 3	..	..	..	10	
5210	roseum*	2 3	..	..	..	10	
5212	Hordeum jubatum	2 3	hA	..	2	5	<i>Squirrel Tail Grass.</i>
5214	Isolepis gracilis	2 3	..	..	1	5	<i>Very pretty rush-like grass.</i>
5216	Lagurus ovatus	2 3	..	..	2	5	<i>Hare's Tail Grass.</i>
5225	Panicum virgatum	2 3	hP	..	4	5	} <i>Very showy and hardy perennial grasses.</i>
5226	sulcatum	2 3	..	..	3	10	
5228	Pennisetum villosum	2 3	..	..	1½	5	<i>Ornamental grass.</i>
5229	Poa amabilis	2 3	..	..	2	10	<i>Pretty ornamental grass.</i>
5230	Setaria macrochaeta	2 3	hA	..	1½	5	<i>Ornamental grass.</i>
5234	Stipa pennata*	2	hP	..	..	5	} <i>Feather Grass. Grown for its very graceful plumes.</i>
5235	elegantissima	2	..	..	..	10	
5237	Tricholæna violacea	2 3	..	..	..	10	<i>A very pretty grass.</i>
5242	Tripsacum dactyloides	2 3	..	..	..	5	} <i>Sesame Grass. A singular, tall-growing grass.</i>
5248	Zea Japonica	2 3	hA	..	3	5	
5252	Curagua Maize	2 3	..	..	..	5	} <i>Ornamental varieties of Corn. Z. Japonica has beautifully striped leaves.</i>
5255	New Miniature Maize	2 3	..	..	..	5	

**PERFECTION PRUNING SHEARS.****The Best of All.**

No. 1, 7 inches..\$2 00 each. No. 3, 9 inches..\$3 00 each.
 " 2, 8 " .. 2 50 " " 4, 10 " .. 3 50 "

**AMERICAN CRESCENT SCUFFLE HOE.**

Handled.....75c. each

COLLECTIONS OF FLOWER SEEDS.

Long experience in selecting enables us to make up Collections which are invariably satisfactory to purchasers, and our usual full assortment the present season, embracing every desirable novelty and standard sort, either raised here or imported from the most reliable seed growers in Europe, insures assortments of the rarest sorts and finest qualities; all of the growth of the past season and TRUE TO NAME.


COLLECTIONS OF

100	Varieties of Annuals, Biennials, and Perennials, for.....	\$4 00
50	do. do. do. do. ".....	2 00
25	do. Annuals, ".....	1 00
12	do. do. ".....	50
25	do. More Rare Annuals ".....	2 00
10	do. do. do. ".....	1 00
50	do. Choice Green-house Seeds, ".....	8 00
25	do. do. do. do. ".....	4 00
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25	do. do. American Seeds for European Culture, for.....	2 00
50	do. do. do. do. do. for.....	4 00

 All Strictly Our Own Selection. 

IMPROVED FRENCH AND GERMAN ASTERS.

In this latitude, Asters should be sown from the middle of March to the first part of May, on a spent hot-bed, or in pots or shallow boxes in a frame, or in the house, and when an inch high they should be transplanted into fine soil, which should be spread over a discarded hot-bed, from whence they can be bedded out when about three or four inches high. This should be done during or immediately after showery weather. *Asters do finely sown in the open ground in the middle of May. The only objection to this mode is their late and short duration of flowering.*

 In ordering these Collections, please give the numbers of the particular Assortments desired.

BEAUTIFUL COLLECTIONS OF


No.	1-18	Varieties	Double	Quilled	German	Asters.....	\$0 50
"	4-12	do.	do.	do.	do.	do.	40
"	7-6	do.	do.	do.	do.	do.	25
"	9-16	do.	do.	Dwarf	do.	do.	50
"	10-12	do.	do.	do.	do.	do.	40
"	13-6	do.	do.	do.	do.	do.	25
"	16-12	do.	New Dwarf	Bouquet	do.	do.	50
"	17-8	do.	do.	do.	do.	do.	40
"	19-6	do.	do.	do.	do.	do.	25
"	28-12	do.	Pyramidal	German	do.	do.	50
"	31-6	do.	do.	do.	do.	do.	25
"	35-12	do.	do.	Dwarf	Bouquet	do.	50
"	36-8	do.	do.	do.	do.	do.	40
"	39-6	do.	do.	do.	do.	do.	25
"	40-12	do.	Emperor		Asters.....	75	
"	41-8	do.	do.		do.	50	
"	45-6	do.	do.		do.	40	
"	46-24	do.	Truffaut's	Pæony	Perfection	do.	1 25
"	48-18	do.	do.	do.	do.	do.	1 00
"	51-12	do.	do.	do.	do.	do.	60
"	54-8	do.	do.	do.	do.	do.	50
"	54a-6	do.	do.	do.	do.	do.	35
"	57-12	do.	Imbrique	Pompon		do.	50
"	58-8	do.	do.	do.		do.	40
"	60-6	do.	do.	do.		do.	25
"	61-8	do.	Dwarf	Pæony	Perfection	do.	50
"	62-6	do.	do.	do.	do.	do.	40
"	62a-4	do.	Lilliput	Asters.....		25	

Improved French and German Asters—Continued.

No. 63—12	Varieties Chrysanthemum-flowered Asters.....	\$0 75
" 64—8	do. do. do. do.	50
" 66—6	do. do. do. do.	40
" 67—18	do. Dwarf do. do.	1 00
" 69—12	do. do. do. do.	75
" 70—8	do. do. do. do.	50
" 72—6	do. do. do. do.	40
" 75—12	do. Large-flowered Rose do.	50
" 75a—8	do. do. do. do.	40
" 76—6	do. New Victoria Needle do.	65
" 77a—6	do. Large-flowered Rose do.	30
" 80—4	do. White-centered Crown do.	30
" 83—12	do. Betteridge's Quilled do.	50
" 84—8	do. do. do. do.	40
" 86—6	do. do. do. do.	25
" 88—12	do. New Victoria do.	60
" 89—8	do. do. do. do.	50
" 92—6	do. do. do. do.	35
" 92a—6	do. New Dwarf Victoria do.	40
" 92b—12	do. Needle or Hedge-hog do.	75
" 93—6	do. do. do. do.	40
" 95—10	do. Uhland do.	50
" 98—6	do. do. do. do.	30
" 99—6	do. Pyramidal Hedge-hog do.	40
" 101—6	do. New Schiller do.	25
" 102—8	do. do. do. do.	30
" 104—6	do. Goliath do.	35
" 106—4	do. New Washington do.	50

GERMAN TEN WEEKS ^{AND} OTHER STOCKS.

Sow at the same time, and treat in precisely the same manner as Asters, except that they may be transplanted several times with advantage in the earlier stages of growth, the shift tending to give them a more compact and dwarf habit.

 In ordering, please give the numbers of the particular Assortments desired.

COLLECTIONS OF

No. 107—24	Varieties Dwarf German Ten Weeks Stocks.....	\$1 25
" 110—18	do. do. do. do.	1 00
" 113—12	do. do. do. do.	75
" 119—6	do. do. Bouquet do.	40
" 120—12	do. do. do. do.	65
" 121—24	do. do. Large Flowering do.	1 25
" 125—18	do. do. do. do.	1 00
" 128—12	do. do. do. do.	75
" 131—8	do. do. do. do.	50
" 132a—6	do. do. do. do.	40
" 134—8	do. Pyramidal do. Dwarf do.	60
" 137—6	do. do. do. do.	50
" 138—12	do. Tree or Giant Ten Weeks do.	80
" 140—8	do. New Tree or Giant do.	50
" 143—6	do. do. do. Perfection do.	40
" 146—6	do. Wall-Flower-leaved Dwarf do.	40
" 147—12	do. do. do. do.	60
" 152—8	do. Intermediate German do.	50
" 152a—6	do. do. do. do.	40
" 153—6	do. Dwarf Perpetual do.	40
" 155—4	do. New East Lothian Winter do.	40
" 161—12	do. Fine Winter do.	60
" 162—8	do. do. do. do.	50
" 164—6	do. do. do. do.	40
" 165—4	do. Dwarf Bouquet Winter do.	40
" 167—5	do. Corcadeau Winter do.	40
" 170—12	do. Double German Wall Flower.....	1 00
" 171a—8	do. do. do. do.	75
" 173—6	do. do. do. do.	60

ASSORTMENTS OF FLOWER SEEDS.

COLLECTIONS OF

No. 176—12	Varieties Dwarf Rocket Larkspur.....	\$0 50
" 177— 6	do. do. do. do.	40
" 179—10	do. Tall do. do.	50
" 180— 6	do. do. do. do.	40
" 182a—6	do. New Bismarck do.	40
" 183— 5	do. Dwarf Candelabrum formed Larkspur.....	40
" 185— 6	do. New Emperor Larkspur.....	40
" 188— 6	do. Hybrid Double do.	30
" 191— 6	do. Ranunculus-flowered Larkspur.....	30
" 194— 8	do. Tall Branching do.	40
" 194a—6	do. do. do. do.	30
" 196—10	do. Finest Dwarf Snapdragon	50
" 197— 6	do. do. do. do.	40
" 200—12	do. Double Prize Hollyhocks.	1 00
" 201— 8	do. do. do. do.	75
" 203— 6	do. do. do. do.	60
" 212— 8	do. Marvel of Peru.....	40
" 212a—12	do. do.	50
" 215— 6	do. Marvel of Peru (with variegated leaves).....	35
" 218—12	do. Double Carnation Poppies.....	40
" 221—12	do. Pæony-flowered do.	40
" 222— 6	do. Double Dwarf Pæony-flowered Poppy	35
" 224— 6	do. Ranunculus-flowered Poppy	35
" 228— 8	do. Double Dwarf Scabious	35
" 230— 6	do. Dwarf Double Sweet Scabious	30
" 233— 6	do. Beautiful Double Zinnia.....	40
" 234—10	do. do. do. do.	50
" 235— 8	do. Dwarf do. do.	60
" 236— 6	do. do. do. do.	50
" 239—10	do. Sweet Peas.....	40
" 242—10	do. Double French Marigold.....	40
" 244— 6	do. do. do. do.	30
" 245— 6	do. do. African do.	30
" 246— 6	do. Centaurea Cyanus (Corn Blue Bottle).....	40
" 247— 8	do. Annual Chrysanthemum	40
" 248—12	do. Fine Heartsease, or Pansy	75
" 249—18	do. do. do. do.	1 00
" 250— 8	do. do. do. do.	60
" 251— 6	do. do. do. do.	50
" 254—12	do. Fine China, Pink (Heddewigii, etc.).....	50
" 254a— 8	do. do. do. do.	40
" 255— 6	do. do. do. do.	30
" 257—10	do. Helichrysum, or Eternal Flowers fl. pl.	50
" 257a—12	do. do. do. do.	60
" 257b— 8	do. do. do. do.	40
" 257c— 6	do. do. do. do.	30
" 259— 6	do. do. monstrosum nanum do.	35
" 260— 8	do. Fine Salpiglossis.....	40
" 261— 8	do. Salpiglossis, Dwarf.....	40
" 262— 6	do. do. Large flowering	40
" 263— 8	do. Schizanthus	40
" 266— 6	do. Double Dwarf Jacobæa.....	40
" 267—10	do. Beautiful Single Dahlia.....	75
" 268— 6	do. do. do. do.	50
" 269—12	do. Fine Large-flowering Petunias.....	1 25
" 272— 6	do. do. do. do.	75
" 273—12	do. Double Fringed do.	1 50
" 274— 6	do. do. do. do.	90
" 275—12	do. Double do.	1 50
" 278— 6	do. do. do. do.	80

Assortments of Flower Seeds—*Continued.*

No. 279—10	Varieties	Digitalis (Fox Glove).....	\$0 40
" 281—10	do.	Beautiful Phlox Drummondii.....	75
" 283—12	do.	do. Portulaca.....	60
" 286—6	do.	Double do.	1 00
" 289—12	do.	Amarantus (ornamental foliage).....	50
" 290—6	do.	Xeranthemum.....	35
" 292—6	do.	Globe Amaranths (Everlasting Flowers).....	40
" 294—10	do.	Lobelia.....	50
" 295—6	do.	do.	40
" 296—6	do.	Cyclamen Persicum and grandiflorum.....	1 00
" 298—12	do.	Tall Nasturtium.....	40
" 298a—8	do.	do.	30
" 301—8	do.	Dwarf Tom Thumb Nasturtium.....	40
" 302—12	do.	do. do.	50
" 304—10	do.	French Camellia-flowered Balsams.....	75
" 308—6	do.	do. do. do. Improved.....	40
" 310—8	do.	Hardy Ipomoeas.....	40
" 313—12	do.	Ornamental Grasses.....	50
" 314—25	do.	do. do.	1 00
" 316—12	do.	Small Ornamental Gourds.....	50
" 317—8	do.	Fine Cannas.....	50
" 319—12	do.	do. do.	75
" 320—25	do.	do. do.	1 50
" 321a—6	do.	do. do. (dark leaved).....	50
" 322—50	do.	German Carnation and Picotee.....	4 00
" 325—25	do.	do. do.	2 00
" 328—18	do.	do. do. do.	1 50
" 329—12	do.	do. do. do.	1 00
" 330—6	do.	do. do. do.	60
" 330a—12	do.	Dianthus plumaris Scoticus fl. pl.....	1 25
" 331—10	do.	Nemophila.....	35
" 334—6	do.	Alpine Plants.....	40
" 340—8	do.	Aquilegia.....	40
" 343—8	do.	Campanula.....	40
" 346—6	do.	Fine Sweet William.....	40
" 352—6	do.	Coleus.....	75
" 353—18	do.	do.	2 00
" 354—12	do.	do.	1 50
" 355—6	do.	Fringed Chinese Primrose.....	75
" 356—8	do.	do. do. do.	1 00
" 357—10	do.	do. do. do.	1 25
" 357a—12	do.	do. do. do.	1 50
" 357b—5	do.	Double do. do.	1 50
" 358—12	do.	Fuchsia.....	1 25
" 360—12	do.	Heliotrope.....	1 00
" 361—6	do.	do.	60
" 364—12	do.	Tropaeolum Lobbianum.....	60
" 365—6	do.	do. do.	35
" 366—8	do.	Solanum.....	60
" 367—6	do.	Tuberous-rooted Begonias.....	1 00
" 368—8	do.	Mignonette.....	40
" 370—8	do.	Ricinus (Castor Oil Beans).....	40
" 372—6	do.	Verbena.....	60
" 375—6	do.	Potentilla, Double.....	1 00
" 377—12	do.	Caladium.....	2 00
" 378—6	do.	do.	1 00
" 380—12	do.	Ferns.....	1 50
" 385—6	do.	Lantana.....	60

LIST OF FLOWERS SUITABLE FOR BOUQUETS.

	per pkt.		per pkt.
Abronia umbellata grandiflora.....	10 cts.	Gypsophila paniculata.....	5 cts.
Ageratum Mexicanum.....	5 "	acutifolia.....	5 "
—album.....	5 "	Heliphila araboides.....	10 "
Alyssum maritimum.....	5 "	Heliotropium grandiflorum, 'Chieftain'.....	10 "
Amarantus tricolor.....	5 "	Iberis odorata.....	5 "
Ammobium alatum.....	5 "	umbellata.....	5 "
Aquilegia chrysantha.....	10 "	amara.....	5 "
Aster chrysanthemiflora.....	10 "	Kaulfussia amelloides.....	5 "
—alba.....	10 "	Leptosiphon (Gilia) densiflorus.....	5 "
Balsams, Camellia-flowered.....	10 "	Lobelia gracilis.....	5 "
Cacalia coccinea.....	5 "	Erinus.....	5 "
Callirrhoe pedata.....	5 "	Malope grandiflora.....	5 "
Centranthus macrosiphon.....	5 "	Mimulus moschatus.....	10 "
—dwarf.....	5 "	Phlox Drummondii grandiflora.....	10 "
Chrysanthemum inodorum.....	10 "	Reseda odorata pyramidalis (Mignonette).....	5 "
Collinsia bicolor.....	5 "	Silene Schafta.....	5 "
verna.....	5 "	Smilax asparagoides (Myrsiphyllum).....	25 "
Cuphea strigulosa.....	10 "	Spraguea umbellata.....	25 "
miniata.....	10 "	Statice, assorted.....	5 "
purpurea.....	10 "	Stevia serrata.....	10 "
Dianthus Chinensis.....	5 "	Stocks, Ten Weeks.....	10 "
Digitalis, assorted.....	5 "	Verbena, assorted.....	5 "
Gaillardia picta "Aurora Borealis".....	5 "	Viola tricolor, finest.....	25 "
Gilia tricolor.....	5 "	Viscaria oculata.....	5 "
Globe Amaranths, assorted.....	5 "	Zinnia, all the double varieties.....	5 "
Godetia, assorted.....	5 "		

LIST OF FLOWERS SUITABLE FOR HANGING BASKETS.

	per pkt.		per pkt.
Ageratum Mexicanum nanum.....	5 cts.	Lobelia Erinus and vars.....	5 cts.
Alyssum maritimum.....	5 "	gracilis and vars.....	5 "
Aubrietia deltoidea.....	10 "	Lupinus nanus.....	5 "
Calandrinia umbellata.....	10 "	subcarnosus.....	5 "
Cosmidium Burridgeanum.....	5 "	Mignonette.....	5 "
Cerastium tomentosum.....	25 "	Mimulus moschatus.....	10 "
Clintonia (Downingia) pulchella.....	10 "	Nemophila insignis.....	5 "
Convolvulus Mauritanicus.....	10 "	maculata.....	5 "
aureus superbus.....	10 "	Pansy, vars. (finest).....	25 "
Dwarf Nasturtiums.....	5 "	Petunia plena and spotted.....	25 "
Eschscholtzia tenuifolia.....	5 "	Portulaca (Double).....	10 "
Eucharidium grandiflorum.....	5 "	Sanvitalia procumbens (Double).....	5 "
Fenzlia dianthiflora.....	25 "	Saponaria Calabrica.....	5 "
Gilia nivalis.....	5 "	Sedum coeruleum.....	10 "
rosea splendens.....	5 "	Silene pendula ruberrima.....	5 "
Heliphila araboides.....	10 "	Spraguea umbellata.....	25 "
Iberis amara.....	5 "	Verbena (finest).....	10 "
rosea.....	5 "	Virginian Stock.....	5 "
Limnanthes Douglasii.....	5 "		

LIST OF FLOWER SEEDS BY WEIGHT.

	PER OZ.
Ageratum Mexicanum , "Blue Gem".....	\$0 75
Alyssum maritimum (<i>Sweet Alyssum</i>).....	40
Amarantus tricolor (<i>Joseph's Coat</i>).....	40
Asters , mixed China.....	50
Balsams , mixed Double Paris.....	40
" double pure white,".....	1 00
" double crimson, ".....	1 00
" fine mixed Camellia-flowered.....	75
Balloon Vine	30
Candytuft , best white.....	lb. \$1 00
Carnation Pink (<i>Common</i>).....	75
" extra fine double, mixed.....	4 00
Centaurea candidissima	5 00
" <i>gymnocarpa</i>	1 25
Cineraria maritima (<i>Dusty Miller</i>).....	40
Cockscomb , mixed.....	50
Convolvulus major (<i>mixed Morning Glory</i>).....	lb. \$0 50
" <i>minor</i> (<i>dwarf</i>).....	25
Coreopsis (<i>Calliopsis</i>) <i>marmorata</i>	30
Cypress Vine (<i>red or white</i>).....	40
Four O'Clocks , finest mixed.....	20
" striped leaved.....	25
Gaillardia picta Lorenziana	60
Gilias , 5 vars, each.....	25
Globe Amaranths , (<i>Bachelor's Buttons</i>), mixed.....	30
Hollyhock , splendid double, mixed.....	60
Larkspur , Dwarf Rocket.....	30
Lobelia Erinus speciosa	60
Lupins , mixed.....	25
Marigold , "New Meteor".....	35
Mignonette , sweet.....	lb. \$0 75
" Giant Pyramidal.....	35
" "Crimson Queen".....	40
" "Golden Queen".....	40
Nasturtium , mixed Tom Thumb.....	25
Nemophila , mixed.....	25
Pansy , or <i>Heart's Ease</i> , mixed.....	oz. \$0 75 to 5 00
Peas , Sweet, mixed.....	lb. \$0 50
Petunia , fine mixed.....	75
" New Inimitable Dwarf.....	3 00
Phlox Drummondii , fine mixed.....	50
" " large-flowering, mixed.....	75
" " <i>grandiflora splendens</i>	75
Pink , mixed Double China.....	40
Poppy , mixed Carnation.....	25
Portulaca , splendid mixture.....	40
" mixed <i>dwarf</i>	6 00

Various Vegetable Seeds that may be Sown in each Month from February to September.

APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.
<p><i>Sow in Hot-Bed.</i> Sweet Corn, Cucumber, Egg Plant, Melon, Pepper, Tomato.</p> <p>—</p> <p><i>Sow in Open Ground.</i> Asparagus, English Beans, Beet, Broccoli, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, White Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Onion, Parsley, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, Sage.</p>	<p><i>Sow in Open Ground.</i> Artichoke, Asparagus, English Beans, Cranberry Pole do Beet, Scarlet Runners, Broccoli, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.</p>	<p><i>Sow in Open Ground.</i> Bush Beans, Lima do Cranberry Pole do Beet, Broccoli, Early Cabbage, Carrot, Early Cauliflower, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Nasturtium, Okra, Early Peas, Pumpkin, Radish, Spinach, Squash, White Fr. Turnip, Ruta Baga.</p>	<p><i>Sow in Open Ground.</i> Beans, Beet, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Nasturtium, Okra, Early Peas, Pumpkin, Radish, Spinach, Squash, White Fr. Turnip, Ruta Baga.</p>	<p><i>Sow in Open Ground.</i> Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Welsh Onion, Early Peas, Radish, Spinach, Turnip.</p>	<p><i>Sow in Open Ground.</i> Cabbage, <i>for Cold Frames.</i> Cauliflower, <i>for Cold Frames.</i> Corn Salad, Cress, Siberian Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip.</p>

THE
Great Eastern Potato,
THE
Latest sterling introduction

—NEW—
**PINE APPLE
SQUASH.**

**Gray Seeded
BUTTER LETTUCE,**
THE FINEST
of all the heading sorts.

**SNOWBALL
Cauliflower**
one of the
FINEST
FOR FRAMES.